IDUT Documentation Library Overview

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Date	Version	Change Description	Editor
[01 May 2020]	[1.0]	[Created the initial version of this document.]	[Destini Pettus]



1 Introduction

The purpose of this document is to provide an overview of the developing library of resources created by the Bif team in support of the Infectious Disease Unit Type (IDUT) effort. In acknowledgement of the current pandemic, it has become essential to augment the WMSNi unit types to support the data needs of the nursing community. The Bif Team is committed to making data meaningful through data collection and tracking, as well as the assessment of key data points to differentiate between infectious disease patients and non-infectious disease patients. For more information on the specific documents created in support of the IDUT effort, see **2.0 Project Documentation Overview** where there are detailed summaries. To read a document in-depth, click the heading of each document. This will take you to the portion of the library overview containing the specific documentation.

2 Project Documentation Overview

2.1 IDUT Environment Setup Document

The purpose of the IDUT Environment setup document is to function as a guide for the process necessary to view the new IDUT efforts from the cloud setting. The database requirements for the functionality of the development environment, testing environment, and production environment are listed in an efficient checklist, including factors such as platform, environment type, security, routing, and databases, to name a few. To further demonstrate the layout of the environmental architecture and increase visualization of the proposed environment, an architecture diagram is included in the document. There are also step by step instructions, including screenshots as a demonstration, to aid in the creation of the elastic beanstalk environments. The goal of the IDUT Environment Setup Document is to

Contributors: Michael Gotcher, Marco Roman

2.2 WMSNi IDUT Design Document

The IDUT Design document functions as a written description of the product, which will inform the reader of the overall architecture of the additional components required to successfully integrate the new Infectious Disease Unit Type into the WMSNi program. Included in the outline of the architecture are descriptions of the updated Organizational Management and Patient Management Data Models. The current models are depicted using graphics and description, followed by a section presenting the optimized data models, displaying its usages and benefits with updated graphics and description. For example, the optimized data model includes patient data, employee data and schedule data, whilst avoiding the issue of Primary Key collisions and removing certain constraints for a more nimble WMSNi Organization Table. Similarly, the Patient Management Data Model represents the information pertaining to the current model, whilst expounding upon the benefits, improvements and issues of the optimized model. The Patient Manager Design focuses on Adding Patient Attributes, outlines development tasks for folding the new IDUT into the existing structure, and lists new patient



attributes for tracking. The final section, Business Intelligence Design, presents an overview of IDUT Tracking Data fields, measures and design, including a *ward view* and a *strategic view*.

Contributors: Lucas Schamberger, Julius Campbell, Roderick Barnes, Linda Fisher PhD, and Mike Smith

2.3 WMSNi Business Intelligence OLAP and Reports Module Test Plan

Presented below is the test plan for the Business Intelligence Module. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan <u>if present</u> will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects

2.4 WMSNi Patient Manager Module Test Plan

Presented below is the test plan for the Patient Manager Module. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan <u>if present</u> will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects

2.5 WMSNi Test Plan Guidance

The collection of WMSNi test plan documents cover multiple testing scenarios, and each step of the delivery process warrants a different category of testing. This guidance document specifies recommendations on when to execute each category of testing. The categories are:

- Functional Testing Testing specific functional changes for each release.
- **Regression Testing** Testing the overall application to verify that software which was previously developed and tested still performs correctly after a release.
- **Critical Path Testing** Spot-check testing of key components of the application to verify that software which was previously developed and tested still performs correctly after a release.



2.6 WMSNi 12c 2.4.7.0R4 Production Critical Path Test Plan

Presented below is the test plan for the WMSNi Critical Path is presented in the material that follows. The Critical Path Test Plan is a high-level test plan to ensure the functionality of major functions within WMSNi are performing correctly after routine system changes. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan, <u>if present</u>, will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects

2.7 IDUT Release Plan

Lorem ipsum dolor sit



3 IDUT Environment Setup Document

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Environment Requirements (Dev/Test/Prod)

- Platform: Apache Tomcat 8.5 with Java 8
- EC2 instance type
 - Not under a high load
 - Ask Moises \rightarrow **t2.micro** should be fine
 - VPC generation
 - Environment type (load balancing/single instance)
 - \circ Load balancing \rightarrow routing rules?
 - TCP/HTTP traffic: unspecified
 - High availability
 - Production only
- Routing
 - Route53: yes \rightarrow new domain name (probably)
 - Production only
 - $\bullet \quad Domain name \rightarrow ask Roderick$
 - BrainJack Manpower?
- Security

0

- Security group rules
 - EC2: allow SSH access on port 22
 - NACL?
 - None
- EC2 subnet type (public/private)
 - No private subnet required
- VPC
 - Separate from CIDR range used for BrainJack?
 - Will environments have distinct subnets within VPC?
 - New VPC
 - All can be in the same subnet
 - Only production needs 2 AZ (at least)
- Database
 - Oracle 19c RDS
 - Jarvis2 default-vpc-7330d114
 - CAC-Enabled access
 - Application level
- Deployment
 - Multiple WAR files per instance
 - wmsni.war
 - liferay.war deploys as ROOT
 - Version 6.2(?)
 - mondrian.war (if OLAP cube) \rightarrow BrainJack can also replace
 - Birt or BrainJack for reporting
 - Liferay "triggers" CAC security
- EC2 instance mods
 - Modify tomcat context.xml
 - server.xml
 - Need SSH access to instances



Environment Diagram





1 Checklist

Register a domain name using Amazon Route 53

2 Step by Step Process

2.1 Creating a new hosted zone/domain name

Services \rightarrow Networking & Content Delivery \rightarrow Route53 \rightarrow Registered domains

Choose a domain name

nanpowertest					.works - \$30.00	
vailability for 'manpower	test.work					
Domain Name		Status	Pric	e /1 Year	Action	
manpowertest.works	✓	Available	\$30	.00	Add to cart	
elated domain suggestic	ons					
Domain Name		Status	Pric	e /1 Year	Action	
globalmanpowertest.com	✓	Available	\$12.	.00	Add to cart	
nanpowerdemo.net	✓	Available	\$11.	00	Add to cart	
manpowerdemo.works	✓	Available	\$30.	00	Add to cart	
anpowertest.com	✓	Available	\$12.	.00	Add to cart	
nanpowertest.info	✓	Available	\$12.	.00	Add to cart	
nanpowertest.io	✓	Available	\$39.	.00	Add to cart	
nanpowertest.net	✓	Available	\$11.	00	Add to cart	
manpowertest.org	✓	Available	\$12	.00	Add to cart	
nanpowertest.tv	✓	Available	\$32	.00	Add to cart	
manpowertesting.com	✓	Available	\$12	00	Add to cart	
powertesting.com	•	Available	ψ12.	.00	Add to call	

Add to cart



Contact Details for Your 1 Domain

Enter the details for your Registrant, Administrative and Technical contacts below. All fields are required unless specified otherwise. Learn more.

.



Enter contact details (admin, technical, etc.) Note that hosted zone is automatically created



Enable auto renewal



Success box



Verify domain name registrant (email)

Create SSL Certificates

Services \rightarrow Security, Identity, & Compliance \rightarrow Certificate Manager \rightarrow Request a certificate

Cert	ifica	tes						G
AW	S Certil	ficate Manager logs o	domain names from your certificat	es into public certificate transparency (CT) logs when renewing c	certificates. You can opt out	of CT logging. Learn more	2	
Request a certificate Actions -								
	« < Viewing certificates 1 to 4 > »							
		Name 👻	Domain name 👻	Additional names	Status 👻	Type 👻	In use? 👻	Renewal eligibility 👻
	•	-	*.brainjack.works	www.brainjack.works, brainjack.works	Issued	Amazon Issued	Yes	Eligible
	•	-	pundit.works	*.pundit.works	Issued	Amazon Issued	Yes	Eligible
	•	-	timecard.works	www.timecard.works, *.timecard.works	Issued	Amazon Issued	Yes	Eligible
	•	-	*.brainjackdev.works	www.brainjackdev.works, brainjackdev.works	Issued	Amazon Issued	Yes	Eligible
							«	< Viewing certificates 1 to 4 > »

Select public certificate

Request a certificate

Choose the type of certificate for ACM to provide.

Request a public certificate	-	Request a public certificate from Amazon. By default, public certificates are trusted by browsers and operating systems. Learn more.
Request a private certificate	-	No Private CAs available for issuance. Learn more.

Add domain names to the certificate



Select DNS validation

Select validation method

Choose how AWS Certificate Manager (ACM) validates your certificate request. Before we issue your certificate, we need to validate that you own or control the domains for which you are requesting the certificate. ACM can validate ownership by using DNS or by sending email to the contact addresses of the domain owner.

DNS validation

Choose this option if you have or can obtain permission to modify the DNS configuration for the domains in your certificate request. Learn more.

Email validation

Choose this option if you do not have permission or cannot obtain permission to modify the DNS configuration for the domains in your certificate request. Learn more

Cancel Previous Next

No tags Review \rightarrow confirm and request



Review

The names you want to s	secure with an SSL/TLS	certificate.
		*.manpowerdev.works www.manpower.works manpower.works
Validation method	o validate your certificate	e request.

Validate - for each domain name: create Route53 records

reate a CNAME record in the DNS configuration for each of the domains listed be turn to this step later, open the certificate request in the ACM Console.	low. You must complete this step before AWS Certificate Manager (ACM) can issue your certificate, but you can skip this step for now by clicking	Continue
Domain	Validation status	
* *.manpowerdev.works	Pending validation	
Add the following CNAME record to the DNS configuration for your domain. The	procedure for adding CNAME records depends on your DNS service Provider. Learn more.	
Name	Type Value	
_19e81f2c3e1f876512e90b098adfdc5a.manpowerdev.works.	CNAME2da826aab7d1e078a8221db39b084322.auiqqraehs.acm-validations.aws.	
	omain name for as long as the DNS record exists. You can revoke permission at any time by removing the record. Learn more.	
Create record in Route 53 Amazon Route 53 DNS Customers ACM ca		
Create record in Route 53 Amazon Route 53 DNS Customers ACM ca manpower.works Add the following CNAME record to the DNS configuration for your domain. The	Pending validation procedure for adding CNAME records depends on your DNS service Provider. Learn more.	
Create record in Route 53 Amazon Route 53 DNS Customers ACM Ca manpower.works Add the following CNAME record to the DNS configuration for your domain. The Name	a update your DNS configuration for you. Learn more. Pending validation procedure for adding CNAME records depends on your DNS service Provider. Learn more. Type Value	
Create record in Route 53 Amazon Route 53 DNS Customers ACM ca manpower.works Add the following CNAME record to the DNS configuration for your domain. The	Pending validation procedure for adding CNAME records depends on your DNS service Provider. Learn more.	
Create record in Route 53 Amazon Route 53 DNS Customers ACM cat manpower.works Add the following CNAIME record to the DNS configuration for your domain. The Int40cc73f719f7bb4935da3b9f2dc94f.manpower.works. Note: Changing the DNS configuration allows ACM to issue certificates for this d	a update your DNS configuration for you. Learn more. Pending validation procedure for adding CNAME records depends on your DNS service Provider. Learn more. Type Value	

Wait for DNS validation to complete - will be pending until then



					« ‹	Viewing certificates 1 to
Name 👻 🛛	Domain name 👻	Additional names	Status 👻	Туре 🔻	In use? 👻	Renewal eligibility 👻
¥ -	.manpowerdev.works	manpower.works, www.manpower.works	Pending validation	Amazon Issued	No	Ineligible
itatus						
A Validation not co The status of this ce		alidation". Further action is needed to validate and app	prove the certificate. Learn more.			
Domain			Validation status			
*.manpowerdev.works			Pending validation			
manpower.works			Pending validation			
www.manpower.works			Pending validation			
♣ Export DNS configuration to a fi Details	e You can export all of the e	NAME records to a file				
	Type Amazon Issued		Requested	at 2020-04-29T20:4	14:58UTC	
	In use? No			fo RSA 2048-bit		
Dor Number of additio	nain name *.manpowerde	works		m SHA256WITHRS		certificate/9ba6ff7f-4493-4
	nal names 2 nal names manpower.worl	s www.mannower.works	A	8 arn:aws:acm:us- 8fcc-ce469a34fa		сенинсате/эраьтт/т-4493-4
Additio	Identifier 9ba6ff7f-4493-		Validation sta			
Seri	al number N/A					
ags						

DNS validation complete

	Issued The certificate was issued at 2020-04-29T20:48:13UT	С	
omain		Validation statu	IS
*.manpowerdev.works		Success	
manpower.works		Success	
www.manpower.works		Success	
	You can export all of the CNAME records to a file		
petails			
etails _{Type}	Amazon Issued	•	2020-04-29T20:44:58UTC
etails Type In use?	Amazon Issued No	Issued at	2020-04-29T20:48:13UTC
etails Type In use? Domain name	Amazon Issued No *.manpowerdev.works	Issued at Not before	2020-04-29T20:48:13UTC 2020-04-29T00:00:00UTC
etails Type In use?	Amazon Issued No *.manpowerdev.works	Issued at Not before Not after	2020-04-29T20:48:13UTC 2020-04-29T00:000UTC 2021-05-29T12:00:00UTC
Petails Type In use? Domain name Number of additional names Additional names	Amazon Issued No *.manpowerdev.works 2 manpower.works, www.manpower.works	Issued at Not before	2020-04-29T20:48:13UTC 2020-04-29T00:00:00UTC 2021-05-29T12:00:00UTC RSA 2048-bit
In use? Domain name Number of additional names Additional names Identifier	Amazon Issued No *.manpowerdev.works 2 manpower.works, www.manpower.works 9ba6ff7f-4493-41d0-8fcc-ce469a34fa39	, issued at Not before Not after Public key info Signature algorithm	2020-04-29T20:48:13UTC 2020-04-29T00:00:00UTC 2021-05-29T12:00:00UTC RSA 2048-bit
Petails Type In use? Domain name Number of additional names Additional names Identifier	Amazon Issued No *.manpowerdev.works 2 manpower.works, www.manpower.works	, issued at Not before Not after Public key info Signature algorithm	2020-04-29T20:48:13UTC 2020-04-29T00:00:00UTC 2021-05-29T12:00:00UTC RSA 2048-bit SHA256WITHRSA
Petails Type In use? Domain name Number of additional names Additional names Identifier	Amazon Issued No *.manpowerdev.works 2 manpower.works, www.manpower.works 9ba6ff7f-4493-41d0-8fcc-ce469a34fa39	, issued at Not before Not after Public key info Signature algorithm	2020-04-29T20:48:13UTC 2020-04-29T00:00UTC 2021-05-29T12:00:00UTC RSA 2048-bit SHA256WITHRSA arn:aws:acm:us-east- 1:512665620159:certificate/9ba6ff7f-4493- 41d0-8fcc-ce469a34fa39

2.2 Create VPC

Services \rightarrow Networking \rightarrow VPC \rightarrow create VPC



Create VPC

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 CIDR block larger than /16. You can optionally associate an IPv6 CIDR block with the VPC.

Name tag			0
IPv4 CIDR block*	172.31.0.0/16		0
IPv6 CIDR block	 No IPv6 CIDR Block Amazon provided IPv6 CIDR block IPv6 CIDR owned by me 	0	
Tenancy	Default	•	0

* Required

Make sure CIDR block is non-conflicting

2.2.1 Create VPC Subnet

Create subnet				
Specify your subnet's IP address block in	CIDR format; for example, 10.0.0.024. IPv	4 block sizes must be between a	/16 netmask and /28 netmask, and can be the	same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag		0		
VPC-	vpc-07e7b93bcf1ad46ed	- 0		
Availability Zone	us-east-1a	- 0		
VPC CIDRs	CIDR		Status	Status Reason
	172.31.0.0/16		associated	
IPv4 CIDR block*	172.31.0.0/24	0		
* Required				

Repeat for other AZs as needed

2.2.2 Create Internet gateway

Note: update diagram

Create internet gateway				
An Internet gateway is a virtual router that connects a VP(Name tag	C to the internet. To create a new internet gat	leway specify the name for the gat	sway below.	
* Required				Cancel
Attach IGW to VPC				
Create internet gateway	Actions A			
Q Filter by tags and attribut	Delete internet gateway Attach to VPC			
Name	Detach from VPC Add/Edit Tags	State	VPC -	Owner -
Manpower Internet Ga	neway igw-uarraceu0c7	2 attached	vpc-07e7b93bcf1	512665620159
BrainJack Internet Gat	teway igw-9666f6f2	attached	vpc-7330d114 V	512665620159



Select WMSNi VPC

Attach to VPC

Attach an internet gateway to a VPC to enable communication with the internet. Specify the VPC you would like to attach below.

0

Ŧ

Cancel Save routes

vpc-07e7b93bcf1ad46ed VPC*

AWS Command Line Interface command

* Required

Set up route table

Set up route table

Q, Filter by tags and attrib	utes or searc	h by keyword					
Name	~	Route Table ID	•	Explicit subnet association	Edge associations	Main	VPC ID
		rtb-059da218453942548		4 subnets		Yes	vpc-07e7b93bcf1ad46ed VPC WMSNi
	_	rtb-0e07fefe0d457acfe			-	Yes	vpc-02bf42a553220957e VPC BrainJack Time Car
		rtb-27da4140		subnet-852c78b8		Yes	vpc-7330d114 VPC BrainJack

Route Table: rtb-0	Route Table: rtb-059da218453942548				
Summary	Routes	Subnet Associations	Edge Associations	Route Propagation	Tags
Edit subnet as	sociations				

 $VPC \rightarrow route tables \rightarrow routes tab \rightarrow edit routes$

Add route for the new internet gateway as follows:

Edit routes

Destination		Target		Status	Propagated		
172.31.0.0/16		local	•	active	No		
0.0.0.0/0	-	igw-0a1ac800c72aac346	•		No		⊗
Add route							G
Additude							
* Required						Canaal	Save rol

Subnet associations $tab \rightarrow edit$ subnet associations Associate the new subnets (may need to revisit this step)



Edit subnet associations

Associated subnets	subnet-01b8fafc03ae91777 📀	subnet-07bedc8c4c544609b	subnet-0379fd9	10078a3f76 Subnet-00486c	ldfdd417eaa8 💿
	Q Filter by attributes or search	ch by keyword			I< < 1 to 4 of 4 >
	Subnet ID	*	IPv4 CIDR *	IPv6 CIDR Cu	rrent Route Table
	subnet-07bedc8c4c54	4609b WMSNi Public Subnet C	172.31.2.0/24	- Mai	n
	subnet-00486ddfdd41	7eaa8 WMSNi Public Subnet A	172.31.0.0/24	- Mai	n
	subnet-01b8fafc03ae9	1777 WMSNi Public Subnet B	172.31.1.0/24	- Mai	n
	subnet-0379fd9f0078a	3f76 WMSNi Public Subnet D	172.31.3.0/24	- Mai	n

2.3 Elastic Beanstalk

Services \rightarrow Compute \rightarrow EB \rightarrow applications \rightarrow create application Create new EB application

Create new application

Application information		
Application name Maximum length of 100 characters, not including forward Description	slash (/).	
Tags		
Apply up to 50 tags. You can use tags to group an resource and is case-sensitive. Learn more Key	nd filter your resources. A tag is a key-value pair. The ke	y must be unique within the
Add tag 50 remaining		Remove tag
		Cancel Create

Create new EB environment

Application environments	Create a new environment
Q. Filter results matching the display values	< 1 > @
Environment name 🔺 Health 🛡 Date created ∇ Last modified ∇	$\label{eq:url_var} {\sf URL} \ \ \nabla \qquad {\sf Running versions} \ \nabla \qquad {\sf Platform} \ \ \nabla \qquad {\sf Platform state} \ \ \nabla \qquad {\sf Ther name} \ \ \nabla$
	rrently exist for this application. eate one now.



Select web server environment

Sele	ect environment tier
applic backg	Elastic Beanstalk has two types of environment tiers to support different types of web applications. Web servers are standard cations that listen for and then process HTTP requests, typically over port 80. Workers are specialized applications that have a ground processing task that listens for messages on an Amazon SQS queue. Worker applications post those messages to your cation by using HTTP.
Ru	/eb server environment un a website, web application, or web API that serves HTTP requests. sam more []
R	Vorker environment un a worker application that processes long-running workloads on demand or performs tasks on a schedule. earn more ☑

Cancel

Select

Enter environment information

Environment information Choose the name, subdomain, and description for your environment. The	ese cannot be changed later.	
Application name		
Environment name		
Domain	.us-east-1.elasticbeanstalk.	
Check availability		
Description		

Select platform



Platform	
• Managed platform Platforms published and maintained by AWS Elastic Beanstalk. Learn more	 Custom platform Platforms created and owned by you.
Platform	
Tomcat	▼
Platform branch	
Tomcat 8.5 with Java 8 running on 64bit Amazon I	_inux 🔻
Platform version	
3.3.4 (Recommended)	•

Start with a sample application

A	Application code				
0	Sample application Get started right away with sample code.				
•	Existing version Application versions that you have uploaded for WMSNi.				
	- Choose a version -				
0	Upload your code Upload a source bundle from your computer or copy one from Amazon S3.				

IMPORTANT: Select Configure More Options

0	Managed updates are now enabled by default for new environments on supporting platforms.				
	Cancel	Configure more options	Create environment		

Environment configurations

Configure
Presets Start from a preset that matches your use case or choose Gustom configuration to unset recommended values and use the service's default values.
Configuration presets Single instance (Free Tier elgible) Single instance (using Spot Instance)
Single Instance (using Spot Instance) High availability High availability (using Spot and On-Demand Instances)
Custom configuration
Platform
Tomcat 8.6 with Java 8 running on 64bit Amazon Linux/3.3.4 Change platform version

Modify capacity Auto Scaling Group



Modify capacity

Configure the compute capacity of your environment and Auto Scaling settings to optimize the number of instances used.

Auto Scaling	Group
Environment type	
Load b V	
nstances	
Min 1	
Max 1	
Fleet composition Choose a mix of On-I more 🔽	Demand and Spot Instances with multiple instance types. Spot Instances are automatically launched at the lowest available price. Learn
On-Demand in	stances
Combine purcl	hase options and instances
M aximum spot pri c The maximum price p capacity using Spot ir	er instance-hour, in USD, that you're willing to pay for a Spot Instance. Setting a custom price limits your chances to fulfill your target
Default - the O	n-Demand price for each instance type (recommended)
Set your maxir	num price
On-Demand base	
The minimum numbe Instances as your env	r of On-Demand Instances that your Auto Scaling group provisions before considering Spot vironment scales out.
0	
On-Demand above	e base
The percentage of Or beyond the On-Dema	n-Demand Instances as part of any additional capacity that your Auto Scaling group provisions ind base instances.
70	%
ance type	
nstance type	
t2.micro 🔻	
MID	
ami-0caeeb8c95	18a66d0
Availability Zones Jumber of Availability	Zones (AZs) to use.
Any 🔻	
Placement Specify Availability Zo	nes (AZs) to use.

Note: AZ options will be handled later in **Network** settings Leave Scaling Triggers alone (for now)

Modify Network Select the VPC



Modify network

Virtual private cloud (VPC)	
VPC .aunch your environment in a custom VPC instead of the default VPC. You can c	reate a VPC and subnets in the VPC management console. Learn mor

Select load balancer subnets

sign your load balancer to a subnet in each Availability Zone (AZ) in which your application runs. For a publicly accessible application, set Visibility to Public d choose public subnets.					
sibility ke your	load balancer internal if your a	application serves requests only from connected	VPCs. Public load balance	rs serve requests from the Internet.	
Public				•	
Load	d balancer subnets				
_					
	Availability Zone	Subnet	CIDR	Name	
	Availability Zone us-east-1a	Subnet subnet-00486ddfdd417eaa8	CIDR 172.31.0.0/24	Name	
_	-			Name	
_	us-east-1a	subnet-00486ddfdd417eaa8	172.31.0.0/24	Name	

Note: subnet D will be ignored. Only there because ALB requires 2 AZs

Select EC2 instance subnets \rightarrow only one selected for Dev and Test



oose a d balar	balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances.						
	Public IP address Assign a public IP address to the Amazon EC2 instances in your environment.						
Inst	ance subnets						
	Availability Zone	Subnet	CIDR	Name			
<	us-east-1a	subnet-00486ddfdd417eaa8	172.31.0.0/24				
	us-east-1b	subnet-01b8fafc03ae91777	172.31.1.0/24				
	us-east-1c	subnet-07bedc8c4c544609b	172.31.2.0/24				
	us-east-1d	subnet-0379fd9f0078a3f76	172 31 3 0/24				

Enable public IP for instances to allow SSH access later

Modify Load Balancer Select application load balancer

Application Load Balancer Application layer load balancer—routing HTTP and HTTPS traffic based on protocol, port, and route to environment processes. Classic Load Balancer Previous generation — HTTP, HTTPS, and TCP Network Load Balancer Ultra-high performance and static IP addresses for your application.

Skip secure port/HTTPS access for now (domain name not registered yet) All other options can be left as default

Modify instances Do not need to; Elastic Beanstalk automatically creates new security group for instances

Modify security

making data meaningful	
dify security	
ervice role	
rvice role	
aws-elasticbeanstalk-service-role	•
rtual machine permissions	
22 key pair	
M instance profile	•
	dify security ervice role rvice role ws-elasticbeanstalk-service-role rtual machine permissions 2 key pair

Should have an EC2 key pair available for this step (needed for SSH access)

Select create environment

B Tec

WMSNI-Devu WMSNI-Devus-east-1.elasticbeanstalk.com (e-w4ct8xm5pe)		C Refresh Environment actions V
Health	Running version Sample Application Upload and deploy	Platform
Green Causes		Tomcat 8.5 with Java 8 running on 64bit Amazon Linux3.3.4 Change

Successful EB environment creation

Save the environment configuration (can be done now or after additional configurations are applied)





Provide configuration name and description

Save Configuration						
Save this environment's current configuration.						
Environment:						
Marpower-Dev						
Configuration name:						
Manpower Dev Configuration						
Description:						
Initial environment setup for Manpower Dev. Load balanced environment with 1 instance	Initial environment setup for Manpower Dev. Load balanced environment with 1 instance deployed in a <u>VPC</u> public <u>subnet</u> (AZ-A).					
		li li				
Tawa						
Tags						
Apply up to 50 tags. You can use tags to group and filter your resources. A tag is a key-val	lue pair. The key must be unique within the resource and is case-sensitive. Learn more					
Key	Key Value					
		Remove tag				
Add tag						
50 remaining						

Save configuration

Domain Name routing

Navigate to Services \rightarrow Networking & Content Delivery \rightarrow Route53 \rightarrow Hosted Zones Select the appropriate hosted zone for the Elastic Beanstalk environment



	Q Search all fields	X All Types	T	
	Domain Name	⊸ Туре -	Record Set Count -	Comment
\bigcirc	brainjack.works.	Public	6	HostedZone created by Route53 Registrar
	pundit.works.	Public	4	HostedZone created by Route53 Registrar
\bigcirc	brainjackdev.works.	Public	6	HostedZone created by Route53 Registrar
\bigcirc	timecard.works.	Public	5	HostedZone created by Route53 Registrar
	manpowertest.works.	Public	2	HostedZone created by Route53 Registrar
\bigcirc	manpower.works.	Public	4	HostedZone created by Route53 Registrar
\bigcirc	manpowerdev.works.	Public	3	HostedZone created by Route53 Registrar

Select Create Record Set

Bac	ck to Hosted Zones	Create Record Set	oort Zone F	File Delete Record Set Test Record S	Set
Q	Record Set Name	Any Type A	liases Only	ly Weighted Only	
				Ҝ 💰 Displaying 1 to 3 out of 3 Record Sets 🔉	▶∥
	Name		Туре	Value	Eva
	manpowerdev.works.		NS	ns-856.awsdns-43.net. ns-1089.awsdns-08.org. ns-399.awsdns-49.com. ns-1789.awsdns-31.co.uk.	-
	manpowerdev.works.		SOA	ns-856.awsdns-43.net. awsdns-hostmaster.amazon.	-
	_19e81f2c3e1f876512e90	b098adfdc5a.manpowerdev.works.	CNAME	_2da826aab7d1e078a8221db39b084322.auiqqraeh	-

Enter record set details

Specify that it is an alias record

Alias target: the Application Load Balancer for the new Elastic Beanstalk environment



Create Re	cord Set						
Name:	manpowerdev.works.						
Type: A – IPv4 address 🔹							
Alias: • Yes O No							
Alias Ta	arget: dualstack.awseb-AWSEB-9CZ4X4GPf						
Alias H	osted Zone ID: Z35SXDOTRQ7X7K						
 Elastic I ELB loa S3 web Resource VPC en API Gat 2.amazon Global A 	 You can also type the domain name for the resource. Examples: CloudFront distribution domain name: d111111abcdef8.cloudfront.net Elastic Beanstalk environment CNAME: example.elasticbeanstalk.com ELB load balancer DNS name: example-1.us-east-2.elb.amazonaws.com S3 website endpoint: s3-website.us-east-2.amazonaws.com Resource record set in this hosted zone: www.example.com VPC endpoint: example.us-east-2.vpce.amazonaws.com API Gateway custom regional API: d-abcde12345.execute-api.us-west-2.amazonaws.com Global Accelerator DNS name: a012345abc.awsglobalaccelerator.com 						
Routing	Routing Policy: Simple						
Route 53 responds to queries based only on the values in this record. Learn More							
Evaluat	e Target Health: 🔿 Yes 💿 No						

To check the DNS name for the ALB

- Services \rightarrow Compute \rightarrow EC2 \rightarrow Load Balancers
- Select the load balancer for the environment
- Take note of the load balancer **name**

Load balancer: awseb-AWSEB-9CZ4X4GPRVBM

Description	Listeners	Monitoring	Integrated services	Tags	
Basic Configuration					
Name awseb-AWSEB-9CZ4X4GPRVBM					
	ŀ	ARN arn:	aws:elasticloadbalancing:	us-east-1:	512665620159:loadbalancer/app/awseb-AWSEB-9CZ4X4GPRVBM/70eff91cb3175d7d 🖒
	DNS name awseb-AWSEB-9CZ4X4GPRVBM-1151798333.us-east-1.elb.amazonaws.com 伦 (A Record)			798333.us-east-1.elb.amazonaws.com 🖒	
	s	tate acti	active		
	1	ype app	/pe application		
	Sch	Scheme internet-facing			
	IP address t	ype ipv4	ipv4		
		E	lit IP address type		
	,	/PC vpc	-07e7b93bcf1ad46ed 🗗		

The load balancer can be identified by checking its routing

- Listeners tab
- Take note of forwarding **rules**
- Click on the ID in the rule \rightarrow should be an **target group**



	Listener ID	Security policy	SSL Certificate	Rules
	HTTP: 80	N/A	N/A	Default: forwarding to awseb-AWSEB-1L6RXMMYFUJ4R
	arn346355fa0331409e 🕶			View/edit rules

Check the target group **Targets** tab \rightarrow should see the Elastic Beanstalk instance(s)

Description	Targets	Health checks	Monitoring	Tags					
The load balan decreases, yo			newly registered	I target as soor	as the registrat	tion process completes a	nd the target passes the initial heal	th checks. If demand on your targets increase	s, you can register additional targets. If demand on your targets
Edit Registered	targets								
Instance ID			Name		Port	Availability Zone	Status	Description	
i-007b08870	d01321c3		Manpower-Dev		80	us-east-1a	healthy	This target is currently passing target group's h	ealth checks.
Availability	Zones								
Availability	Zone					Target	count		lealthy?
Availability									

Create a CNAME record

Enter www for name

Type: CNAME

Value: load balancer DNS name from earlier

Edit Recor	d Set	
Name: v	ww .manpowerdev.works. 💊	
Type:	pe: CNAME – Canonical name 🔻	
Alias: 🔾	Yes No	
TTL (Se	conds): 300 1m 5m 1h 1d	
Value:	awseb-AWSEB-9CZ4X4GPRVBM- 1151798333.us-east- 1.elb.amazonaws.com The domain name that you want to resolve to instead of the value in the Name field. Example: www.example.com	
Routing	Policy: Simple v	
Route 53 m More	esponds to queries based only on the values in this record. Learn	

Go back to the new Elastic Beanstalk environment (Services \rightarrow Compute \rightarrow Elastic Beanstalk \rightarrow new environment \rightarrow Configurations \rightarrow Load Balancer

Modify the load balancer

- Under Application Load Balancer, select Add Listener
- Port: 443
- Protocol: HTTPS
- SSL Certificate: choose certificate for the domain name used above
 - To check: refer to previous steps



	Load Balancer listener	
Port		
443		
Protocol The transport	protocol that the load balancer uses for routing incoming traffic from clients.	
HTTPS	▼	
Security	settings	
Security	-	
SSL certifica	-	
SSL certifica *.manpowe SSL policy The Secure So	te	t this
SSL certifica *.manpowe SSL policy The Secure So load balancer	te erdev.works - 9ba6ff7f-4493-41d0-8fc ▼ C ockets Layer (SSL) negotiation configuration, known as a security policy, tha	t this
SSL certifica *.manpowe SSL policy The Secure So load balancer	te erdev.works - 9ba6ff7f-4493-41d0-8fc ▼ C ockets Layer (SSL) negotiation configuration, known as a security policy, that uses to negotiate SSL connections with clients.	t this

Apply Changes and the environment will start rebuilding.

Once the rebuilding is completed in order to test that it works simply type in the web address that you created and see if it routes you to your application.

Forcing Secure SSL connections (HTTPS)

(Services \rightarrow Compute \rightarrow EC2 \rightarrow Load Balancers \rightarrow Select load balancer \rightarrow Listeners tab)

Add	listener Edit Delete	2		
	Listener ID	Security policy	SSL Certificate	Rules
	HTTP: 80 arn346355fa0331409e -	N/A	N/A	Default: forwarding to awseb-AWSEB-1L6RXIMMYFUJ4R View/edit rules
	HTTPS: 443 arna84dfe76edbaa7b4 -	ELBSecurityPolicy-2016-08	Default: 9ba6ff7f-4493-41d0-8fcc-ce469a34fa39 (ACM) View/edit certificates	Default: forwarding to awseb-AWSEB-1L6RXMMYFUJ4R View/edit rules

Add action \rightarrow redirect

awseb-AWSEB-9CZ4X4GPRVBM | HTTP:80

Listeners belonging to Application Load Balancers check for connection requests using the protocol and port you configure. Each listener must include a default action to ensure all requests are routed. Once you have created your listener, you can create and manage additional routing rules as needed. Learn more

ARN

arn:aws:elasticloadbalancing:us-east-1:512665620159:listener/app/awseb-AWSEB-9CZ4X4GPRVBM/70eff91cb3175d7d/346355fa0331409e

Protocol : port

	Poloct the pro	stocol	for	connoctiv	ons from the client to your load balancer, and enter a port number from which to listen to for traffic.
Ì	Select the pro	JUCCO	101	connectio	ins nom the client to your load balancer, and enter a port number nom which to listen to for trainc.
	HTTP	•		80	

Default action(s)

Indicate how this listener will route traffic that is not otherwise routed by a another rule.

+ Add action	~
Forward to	
Return fixed response	

Specify the following rule



Default action(s)

Indicate how this listener will route traffic that is not otherwise routed by a another rule.

1. Redirect to	Ŵ
HTTPS 443 Original value: #{port}	
Original host, path, query	•
301 - Permanently moved	•
Switch to full URL	
\checkmark	
+ Add action	~

Save

Test the redirection

- Try typing just {domain_name} as the URL
- Type http://{domain_name}
- Both should redirect to https://{domain_name}

2.4 RDS

Restore database from a snapshot: Services \rightarrow Database \rightarrow RDS \rightarrow Snapshots \rightarrow System tab

os >	Snapshots		
inap	oshots		
Manu	al System Shared with me Public	Backup service Exports in Amazon S3	
Syst	em snapshots (34)	C Actions V Take snapshot	
Q	Filter system snapshots	< 1 2 >	0
	Snapshot name	▼ DB instance or cluster ▲ Snapshot creation time ▼ DE	B Inst
	rds:bif-interview-2020-04-22-08-34	bif-interview Wed Apr 22 2020 01:34:23 GMT-0700 (Pacific Dayligh Su	ın Jar
	rds:bif-interview-2020-04-23-08-34	bif-interview Thu Apr 23 2020 01:34:26 GMT-0700 (Pacific Daylight Su	ın Jar
	rds:bif-interview-2020-04-24-08-34	bif-interview Fri Apr 24 2020 01:34:46 GMT-0700 (Pacific Daylight Su	ın Jar

Select most recent snapshot for jarvis

Under Actions, select Restore Snapshot



C	Actions	Take snapshot
	Restore Snapsho	2 > 🔞
	Copy Snapshot	2 / 😻
on time	Share Snapshot	♥ DB I
	Migrate snapsho	t
0 01:34:2	Delete Snapshot	ligh Sun

Instance specifications Standard Edition 2 License-included model t3.medium instance class No multi AZ

Restore DB Instance

You are creating a new DB Instance from a source DB Instance at a specified time. This new DB Instance will have the default DB Security Group and DB Parameter Groups.

Instance specifications	
DB Engine Name of the Database Engine	
Oracle Database Standard Edition Two	▼
License Model License type associated with the database engine	
license-included	•
DB Instance Class Contains the compute and memory capacity of the DB Instance.	
db.t3.medium — 2 vCPU, 4 GiB RAM	▼
Multi-AZ Deployment Specifies if the DB Instance should have a standby deployed in another Availability Zone. Yes	
O No	
 No Storage type Info 	

Specify DB instance DB identifier



DB Snapshot ID The identifier for the DB Snapshot. rds:jarvis-2020-04-28-23-10 DB Instance Identifier Info	Settings			
		shot.		
DB Instance Identifier Info	rds:jarvis-2020-04-28-23	-10		
	DB Instance Identifier Ir	fo		

Network & security

Virtual Private Cloud (VPC)	
VPC defines the virtual networki	ing environment for this DB instance.
	G
Only VPCs with a corresponding	DB subnet group are listed.
Subnet group Info	
DB subnet group that defines wh	hich subnets and IP ranges the DB instance can use in the VPC you selected.
Create new DB Subnet Gro	oup 🔻
more VPC security groups th	utside of the VPC hosting the DB instance will connect to the DB instances. You must also select one of hat specify which EC2 instances and devices can connect to the DB instance. public IP address assigned. No EC2 instance or devices outside of the VPC will be able to connect.
No preference	▼
VPC security groups Info Security groups have rules autho	prizing connections from all the EC2 instances and devices that need to access the DB instance.
	-
 Create new VPC security 	/ group

Select WMSNi VPC

New subnet group

Public accessibility: yes?

 Important if public, ensure that DNS resolution and DNS hostnames are both set to enabled in the VPC console (Services → Networking & Content Delivery → VPC → Your VPCs)



VPC: vpc-07e7b93bcf1ad46ed

Description	CIDR Blocks	Flow Logs	Tags
	VPC ID	vpc-07e7b93bcf1ad46	ed
	State	available	
	IPv4 CIDR	172.31.0.0/16	
	IPv6 CIDR	-	
D	NS resolution	Enabled	
DI	IS hostnames	Enabled	
ClassicLink	DNS Support	Disabled	
	Owner	512665620159	

• If they are not enabled, select Actions \rightarrow Edit DNS resolution/hostnames

Create VPC	Actions A	
Q Filter by tag	Delete VPC	d
C Thiter by tag	Edit CIDRs	G
Name	Create Default VPC	
	Enable ClassicLink	
	Edit ClassicLink DNS Support	42a553220957e
	Create flow log	7b93bcf1ad46ed
	Edit DHCP options set	Dd114
	Edit DNS resolution	
	Edit DNS hostnames	
	Add/Edit Tags	

New VPC security group Note: **this may need to be revisited** (the public accessibility)

. ...

.

Database Name Info Name of a database to create when the DB Instance is created.	
bifdevdb	
Database Port	
Port number on which the database accepts connections.	
1521	
DB parameter group Info	
default.oracle-se2-12.1	▼
Option Group Info	
default:oracle-se2-12-1	•

Defaults are fine

Name: **bifdevdb** (where does this show up?) Note: **this may need to be revisited** (are the defaults fine)

Logs & Maintenance



Log exports
Select the log types to publish to Amazon CloudWatch Logs
 Alert log Audit log Listener log
Trace log IAM role The following service-linked role is used for publishing logs to CloudWatch Logs.
RDS Service Linked Role
Maintenance
Auto Minor Version Upgrade Specifies if the DB Instance should receive automatic engine version upgrades when they are available. Yes No

Restore DB Instance

Upgrade DB Engine Version: 19c Select the new database in the RDS console: Services \rightarrow RDS \rightarrow Databases Select Modify

			Modify Actions v
Summary			
DB identifier	CPU 1.00%	Info Ø Available	Class db.t3.medium
Role Instance	Current activity 0 Connections	Engine Oracle Standard Edition Two	Region & AZ us-east-1b

Select Oracle 19



Modify DB	Instance:	wmsnidevdb
-----------	-----------	------------

License model					
License type associated w	ith the database engi	ne			
license-included				▼	
DB engine version					
Version number of the da	tabase engine to be u	sed for this instance.			
Oracle 19.0.0.0.ru-2	020-01.rur-2020-0	1.r1 (default)		•	
db.t3.medium — 2 v	CPU, 4 GiB RAM			•	
Multi-AZ deployment		hy deployed in anoth	er availability zon		
Multi-AZ deployment Specifies if the DB instan		by deployed in anoth	ier availability zono		
Multi-AZ deployment Specifies if the DB instand		by deployed in anoth	ier availability zono		
Multi-AZ deployment Specifies if the DB instand Yes No		by deployed in anoth	ier availability zono		
Multi-AZ deployment Specifies if the DB instand Yes No		by deployed in anoth	ier availability zono		
Multi-AZ deployment Specifies if the DB instand Yes No Storage type		by deployed in anoth	er availability zono	2.	

Leave all other settings alone

Worth revisiting (magnetic vs SSD storage?)

Summary of modifications Select **apply immediately** for scheduling



Summary of modifications

You are about to submit the following modifications. Only values that will change are displayed. Carefully verify your changes and click Modify DB Instance.

Attribute	Current value	New value
Deletion protection	Disabled	Enabled
DB engine version	12.1.0.2.v19 (Oracle 12.1.0.2.v19)	19.0.0.0.ru-2020-01.rur-2020-01.r1 (Oracle 19.0.0.0.ru-2020- 01.rur-2020-01.r1)

Scheduling of modifications

When to apply modifications

Apply during the next scheduled maintenance window Current maintenance window: sat:06:00-sat:09:00

Apply immediately

The modifications in this request and any pending modifications will be asynchronously applied as soon as possible, regardless of the maintenance window setting for this database instance.

/:\

Potential unexpected downtime

If you choose to apply changes immediately, please note that any changes in the pending modifications queue are also applied. If any of the pending modifications require downtime, choosing this option can cause unexpected downtime.

The DB status will change to Upgrading in the RDS console until the upgrade is complete

Instance Oracle Standard Edition Two us-east-1b db.t3.medium 🕗 Upgrading
--



...making data meaningful Application deployment

4 WMSNi IDUT Design Document

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1 Organization Management Data Model

In response to the COVID-19 pandemic, WMSNi requires the addition of Infectious Disease units and an Infectious Disease Unit Type (IDUT). WMSNi must be capable of quickly adding and maintaining these units. Currently, WMSNi supports only Graphical User Interface (GUI) maintenance of organization data. The addition of an import/export option will enable speedy and less error-prone introduction of units into WMSNi. Enabling import/export will require modification of the data model concerning Organizations in WMSNi.

The addition of an import/export option to WMSNi organizations will require a way to uniquely identify an organization both without and within the context of the WMSNi database. Currently, an organization is uniquely identified by an integer which has guaranteed uniqueness only within the context of the WMSNi database. A Universally Unique Identifier (UUID) is capable of guaranteeing uniqueness in all contexts. The organization data model must be modified to include a UUID to avoid organization "collisions" when moving them from one context to another.

1.1 Current Model

The WMSNi Organization table (wmsnoltp.organization) stores organization data for WMSNi. The table serves data for many parts of the application, including patient, employee, and schedule management. The records in the table are uniquely identified by an INTEGER as the Primary Key (organization id).

1.1.1 Current Model Issues

Each organization is uniquely identified by an integer. An integer can uniquely identify an organization only within the context of the WMSNi database. This limitation makes it difficult to define, import and export organizations between multiple contexts.

1.1.2 SQL ERD

The SQL Model of wmsnoltp.organization and related tables is below:

WMSNO	DLTP.ORGANIZATION			WMS	NOLTP.ORGANIZATION_HIST
P * ORGANIZATION_ID	NUMBER (38)			ORGANIZATION_ID	NUMBER (38)
 BEG_DTM 	TIMESTAMP (9) WITH LOCAL TIME ZONE		Ρ	 BEG_DTM 	TIMESTAMP (9) WITH LOCAL TIME ZONE
F * AUD_BEG_EMP	NUMBER (38)			* END_DTM	TIMESTAMP (9) WITH LOCAL TIME ZONE
 AUD_BEG_DTM 	TIMESTAMP (9) WITH LOCAL TIME ZONE			 AUD_BEG_EMP 	NUMBER (38)
U * ABBR	VARCHAR2 (10 BYTE)			 AUD_END_EMP 	NUMBER (38)
U * NAME	VARCHAR2 (50 BYTE)			* AUD_BEG_DTM	TIMESTAMP (9) WITH LOCAL TIME ZONE
 ORG_TYPE 	VARCHAR2 (6 BYTE)			* AUD_END_DTM	TIMESTAMP (9) WITH LOCAL TIME ZONE
 ZONEINFO 	VARCHAR2 (50 BYTE)			* ABBR	VARCHAR2 (10 BYTE)
* CONUS	VARCHAR2 (1 BYTE)		υ	* NAME	VARCHAR2 (50 BYTE)
UF* PARENT_ORGANIZATION_ID	NUMBER			 ORG_TYPE 	VARCHAR2 (6 BYTE)
U UIC	VARCHAR2 (6 BYTE)			 ZONEINFO 	VARCHAR2 (50 BYTE)
U DMIS_ID	VARCHAR2 (4 BYTE)			CONUS	VARCHAR2 (1 BYTE)
U APC	VARCHAR2 (4 BYTE)		U	 PARENT_ORGANIZATION_ID 	NUMBER (38)
MEPRS	VARCHAR2 (6 BYTE)			VIC	VARCHAR2 (6 BYTE)
F UNIT_TYPE_ID	NUMBER (38)		U		VARCHAR2 (4 BYTE)
SHIFT_TYPE	NUMBER (2)		0	APC MEPRS	VARCHAR2 (4 BYTE)
NUM_BEDS DAY START MINUTES	NUMBER (3) NUMBER (5)			UNIT TYPE ID	VARCHAR2 (6 BYTE) NUMBER (38)
ENTRY GRACE MINUTES	NUMBER (5)			SHIFT TYPE	NUMBER (2)
CITY	VARCHAR2 (20 BYTE)			NUM BEDS	NUMBER (2)
STATE	VARCHAR2 (20 BYTE)			DAY START MINUTES	NUMBER (5)
SORT ORDER	NUMBER (5)			ENTRY GRACE MINUTES	NUMBER (5)
REMARK	VARCHAR2 (1000 BYTE)			CITY	VARCHAR2 (20 BYTE)
POP_CONTROL	VARCHAR2 (1 BYTE)			STATE	VARCHAR2 (10 BYTE)
U CHCS WARD NAME	VARCHAR2 (50 BYTE)			SORT ORDER	NUMBER (5)
U CHCS MTF ID	VARCHAR2 (10 BYTE)			REMARK	VARCHAR2 (1000 BYTE)
				LAST ACTIVE	VARCHAR2 (1 BYTE)
ORGANIZATION_PK (ORGANIZAT ORGANIZATION_UK1 (ABBR, PAP)				ORGANIZATION HIST PK (ORGAN	ZATION ID REG DTM)
 ORGANIZATION UK2 (NAME, PAP 					PARENT ORGANIZATION ID, BEG DTM)
ORGANIZATION UK3 (DMIS ID,		•			PARENT ORGANIZATION ID, BEG DTM)
ORGANIZATION UK4 (UIC)				ORGANIZATION HIST UK3 (DMIS	
ORGANIZATION UK5 (CHCS MT	D, CHCS WARD NAME)		÷		
< ORGANIZATION FA1 (AUD BEG				ORGANIZATION_HIST_IFK1 (PARE ORGANIZATION_HIST_IFK2 (UNIT	NT_ORGANIZATION_ID, BEG_DTM)
< ORGANIZATION FAI (ADD BEG CORGANIZATION FK1 (PARENT O				ORGANIZATION HIST IT (BEG D	
< ORGANIZATION FK2 (UNIT TYPE				ORGANIZATION HIST IT2 (END D	
				ORGANIZATION_HIST_IX1 (REMAP	
ORGANIZATION_IFK1 (PARENT_C				ORGANIZATION HIST IX2 (APC, B	
ORGANIZATION_IFK2 {UNIT_TYP	E_ID)				, PARENT ORGANIZATION ID, LAST ACTIVE)
ORGANIZATION_IT1 (BEG_DTM)					E, PARENT ORGANIZATION ID, LAST ACTIVE)
ORGANIZATION_IX1 (REMARK)				ORGANIZATION HIST LUK3 (DMIS	
ORGANIZATION_IX2 (APC) U ORGANIZATION PK (ORGANIZAT	30N (D)			ORGANIZATION HIST LUK4 (UIC,	
U ORGANIZATION UK1 (ABBR, PAR			U	ORGANIZATION HIST PK (ORGAN	IZATION_ID, BEG_DTM)
U ORGANIZATION_UK2 (NAME, PAR					PARENT_ORGANIZATION_ID, BEG_DTM)
U ORGANIZATION UK3 (DMIS ID, A					, PARENT_ORGANIZATION_ID, BEG_DTM)
U ORGANIZATION UK4 (UIC)				ORGANIZATION_HIST_UK3 (DMIS_	
U ORGANIZATION_UK5 (CHCS_MT	D, CHCS_WARD_NAME)		U	ORGANIZATION_HIST_UK4 [UIC, C	ASE WHEN "UIC" IS NOT NULL THEN "BEG_DTM" END)
	NV.	1 1			
	¥				
	L				



1.2 Optimized Model

The WMSNi Organization table (wmsnoltp.organization) must be modified so that organizations can be identified by a UUID. In an optimized model, the integer-based unique identifier (primary key) would be replaced with a UUID in all places where organizations are referenced within the WMSNi application.

1.2.1 Issues

- 1. Organizations are referenced via foreign key relationships in nearly every aspect of the WMSNi application. Every aspect of the application affected by this modification must be evaluated to assess impact.
- 2. Some aspects of the application may require modification to accommodate the new data type used to reference organizations.

1.2.2 Actions

- Phase 1. Create a UUID data type organization record identifier on the organization table (Candidate Key). Allow the existing integer-based primary key to remain and function as it does currently. This will lessen the impact to the existing application.
- Phase 2. Cascade the data and data type to foreign key references, reports and application code in order to assess and address the impact to the application.
- Phase 3. Remove original Integer Primary Key from organization table.

1.2.3 Results

	WHON	DLTP.ORGANIZATION	-	W	ISNOLTP.ORGANIZATION_HIST
	ORGANIZATION_ID	NUMBER (38)		P * ORGANIZATION_ID	NUMBER (38)
	BEG_DTM	TIMESTAMP (9) WITH LOCAL TIME ZONE		P * BEG_DTM	TIMESTAMP (9) WITH LOCAL TIME
	AUD_BEG_EMP	NUMBER (38)		* END_DTM	TIMESTAMP (9) WITH LOCAL TIME
	AUD_BEG_DTM	TIMESTAMP (9) WITH LOCAL TIME ZONE		 AUD_BEG_EMP 	NUMBER (38)
	ABBR	VARCHAR2 (10 BYTE)		 AUD_END_EMP 	NUMBER (38)
	(AME	VARCHAR2 (50 BYTE)		* AUD_BEG_DTM	TIMESTAMP (9) WITH LOCAL TIME
	ORG_TYPE	VARCHAR2 (6 BYTE)		* AUD_END_DTM	TIMESTAMP (9) WITH LOCAL TIME
	ZONEINFO	VARCHAR2 (50 BYTE)		U * ABBR	VARCHAR2 (10 BYTE)
	CONUS	VARCHAR2 (1 BYTE)		U * NAME	VARCHAR2 (50 BYTE)
•	PARENT_ORGANIZATION_ID	NUMBER		 ORG_TYPE 	VARCHAR2 (6 BYTE)
	UIC	VARCHAR2 (6 BYTE)		 ZONEINFO 	VARCHAR2 (50 BYTE)
	DMIS_ID	VARCHAR2 (4 BYTE)		CONUS	VARCHAR2 (1 BYTE)
	APC	VARCHAR2 (4 BYTE)		V * PARENT_ORGANIZATION_ID	NUMBER (38)
	MEPRS	VARCHAR2 (6 BYTE)		UIC	VARCHAR2 (6 BYTE)
	UNIT_TYPE_ID	NUMBER (38)		U DMIS_ID	VARCHAR2 (4 BYTE)
	SHIFT_TYPE	NUMBER (2)		U APC	VARCHAR2 (4 BYTE)
	NUM_BEDS	NUMBER (3)		MEPRS	VARCHAR2 (6 BYTE)
	DAY_START_MINUTES	NUMBER (5)		UNIT_TYPE_ID	NUMBER (38)
	ENTRY_GRACE_MINUTES	NUMBER (5)		SHIFT_TYPE	NUMBER (2)
	CITY	VARCHAR2 (20 BYTE)		NUM_BEDS	NUMBER (3)
	STATE	VARCHAR2 (10 BYTE)		DAY_START_MINUTES	NUMBER (5)
	SORT_ORDER	NUMBER (5)		ENTRY_GRACE_MINUTES	NUMBER (5)
	REMARK	VARCHAR2 (1000 BYTE)		CITY	VARCHAR2 (20 BYTE)
	POP_CONTROL	VARCHAR2 (1 BYTE)		STATE	VARCHAR2 (10 BYTE)
	CHCS_WARD_NAME	VARCHAR2 (50 BYTE)		SORT_ORDER	NUMBER (5)
				Design of the local sector	VARCHAR2 (1000 BYTE)
	CHCS_MTF_ID	VARCHAR2 (10 BYTE)		REMARK	
	CHCS_MTF_ID ORGANIZATION_IDCK	VARCHAR2 (10 BYTE) VARCHAR2 (100 BYTE)		LAST_ACTIVE	VARCHAR2 (1 BYTE)
	ORGANIZATION_IDCK	VARCHAR2 (100 BYTE)			
C	ORGANIZATION_IDCK RGANIZATION_PK (ORGANIZAT	VARCHAR2 (100 BYTE) TION_ID)		LAST_ACTIVE ORGANIZATION_IDCK	VARCHAR2 (1 BYTE) VARCHAR2 (100 BYTE)
0	ORGANIZATION_IDCK PRGANIZATION_PK (ORGANIZAT PRGANIZATION_UK1 (ABBR, PA)	VARCHAR2 (100 BYTE) TION_ID) RENT_ORGANIZATION_ID)	•	LAST_ACTIVE ORGANIZATION_IDCK	VARCHAR2 (1 BYTE) VARCHAR2 (100 BYTE) NIZATION_ID, BEG_DTM)
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	ORGANIZATION_IDCK DRGANIZATION_PK (ORGANIZAT DRGANIZATION_UK1 (ABBR, PAI DRGANIZATION_UK2 (NAME, PAI DRGANIZATION_UK3 (DMIS_ID, J	VARCHAR2 (100 BYTE) TION_ID) RENT_ORGANIZATION_ID) RENT_ORGANIZATION_ID)	•	LAST_ACTIVE ORGANIZATION_IDCK ORGANIZATION_HIST_PK (ORGA ORGANIZATION_HIST_UK1 (ABE ORGANIZATION_HIST_UK2 (NAM	VARCHAR2 (1 BYTE) VARCHAR2 (100 BYTE) NIZATION_ID, BEG_DTM) R, PARENT_ORGANIZATION_ID, BEG_ IE, PARENT_ORGANIZATION_ID, BEG_
	ORGANIZATION_IDCK ORGANIZATION_PK (ORGANIZAT ORGANIZATION_UK1 (ABBR, PA) ORGANIZATION_UK2 (NAME, PA) ORGANIZATION_UK3 (DMIS ID, 1 ORGANIZATION_UK4 (UIC)	VARCHAR2 (100 BYTE) TION_ID) RENT_ORGANIZATION_ID) RENT_ORGANIZATION_ID) APC)	•	LAST_ACTIVE ORGANIZATION_IDCK ORGANIZATION_HIST_PK (ORGA ORGANIZATION_HIST_UK1 (ABB ORGANIZATION_HIST_UK2 (NAM ORGANIZATION_HIST_UK3 (DMI	VARCHAR2 (1 BYTE) VARCHAR2 (100 BYTE) NIZATION_ID, BEG_DTM) R, PARENT_ORGANIZATION_ID, BEG_ IE, PARENT_ORGANIZATION_ID, BEG_ S_ID, APC, BEG_DTM)
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	ORGANIZATION_IDCK ORGANIZATION_PK (ORGANIZAT ORGANIZATION_UK1 (ABBR, PAI ORGANIZATION_UK2 (NAME, PAI ORGANIZATION_UK2 (IDMIS_ID., ORGANIZATION_UK4 (UIC) ORGANIZATION_UK5 (CHCS_MT ORGANIZATION_UK5 (ORGANIZAT	VARCHAR2 (100 BYTE) TION_ID) RENT_ORGANIZATION_ID) RENT_ORGANIZATION_ID) APC) F_ID_CHCS_WARD_NAME) ATION_IDCK)	•	LAST_ACTIVE ORGANIZATION_HIST_PK (ORGA © ORGANIZATION_HIST_VK1 (ABE © ORGANIZATION_HIST_UK2 (ABE © ORGANIZATION_HIST_UK2 (ADE ORGANIZATION_HIST_IFK1 (PAP ORGANIZATION_HIST_IFK1 (PAP	VARCHAR2 (1 BYTE) VARCHAR2 (100 BYTE) NIZATION [D, BEG_DTM) R, PARENT ORGANIZATION ID, BEG_ E, PARENT ORGANIZATION ID, BEG_ S_ID. APC, BEG_DTM) ENT_ORGANIZATION [D, BEG_DTM) T_YPE[JD, BEG_DTM)
	ORGANIZATION_IDCK PRGANIZATION_PK (ORGANIZAT PRGANIZATION_UK1 (ABBR, PAI PRGANIZATION_UK1 (MABR, PAI PRGANIZATION_UK3 (IDMIS_ID), PRGANIZATION_UK3 (IDMIS_ID), PRGANIZATION_UK4 (UIC), PRGANIZATION_UK5 (ORGANIZ), PRGANIZATION_FA1 (AUD_BEG, PRGANIZATION_FA1 (AUD_BEG),	VARCHAR2 (100 BYTE) TION_ID) RENT_ORGANIZATION_ID) RENT_ORGANIZATION_ID) APC) F_ID, CHCS_WARD_NAME) ATION_IDCK) EMP)	•	LAST, ACTIVE ORGANIZATION, IDCK ORGANIZATION, HIST, PK (ORGA ORGANIZATION, HIST, UKI (ABB ORGANIZATION, HIST, UKI (AB ORGANIZATION, HIST, IFK1 (PAP ORGANIZATION, HIST, IFK1 (PAP ORGANIZATION, HIST, IFK1 (PAP	VARCHAR2 (1 EYTE) VARCHAR2 (100 BYTE) NIXATION [D, BEG_DTM) R, PARENT_ORGANIZATION [D, BEG_ IE, PARENT_ORGANIZATION [D, BEG_DTM) ENT_ORGANIZATION [D, BEG_DTM) T_TPFE_ID, BEG_DTM)
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2 Organization Manager Design



	personnel assoc The new model	The new model removes an organization (e.g., a sub organization) that hat personnel associated with it. The new model would remove an organization unit for which there are patient location records.					
or edited in	an organizatio Organization I shown below	Editor can on					
	Agency / Branch	Major Command	Region	MTF	Section		
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3 Patient Management Data Model

3.1 Description

WMSNi requires the ability to identify patients who require treatment specific to infectious disease. To meet this requirement, we are (1) adding Infectious Disease Service Types to the Patient Service Type field, and (2) adding an Infectious Disease Status field.

Infectious Disease Service type:

- a. Infectious Disease-ICU
- b. Infectious Disease-M/S

Infectious Disease Status:

- a. Quarantined Due to Contact
- b. Isolation With Symptoms
- c. Tested Positive Quarantined
- d. Tested Positive Discharged
- e. Recovered Hospitalized
- f. Recovered Discharged
- g. Death During Hospitalization

The above will be added to the List of Values table (wmsnoltp.lov) using an INSERT statement based on the following table to populate the drop-down list.

LOV_ID	List	Value	Name	Description	Sort Order
#	Infectious Disease	COV1		Quarantined - Due to Contact: patient had contact with known transmittable infectious disease	10



	making a	data mean	ingful		
#	Infectious Disease	COV2	Isolation - With Symptoms	Isolation - With Symptoms: patient displaying symptoms of infectious disease	20
#	Infectious Disease	COV3	Tested Positive - Quarantined	Tested Positive - Quarantined: Patient quarantined based on positive test for infectious disease	30
#	Infectious Disease	COV4	Tested Positive - Discharged	Tested Positive - Discharged: patient discharged with positive test and self isolation instructions	40
#	Infectious Disease	COV5	Recovered - Hospitalized	Recovered - Hospitalized: patient recovered from known infectious disease as evidenced by negative test protocol while hospitalized	50
#	Infectious Disease	COV6	Recovered - Discharged	Recovered - Discharged: Infectious Disease patient recovered and discharged	60
#	Infectious Disease	COV7	Death - During Hospitalization	Death - During Hospitalization: patient with Infectious disease diagnosis died while hospitalized due to disease complications	70

New Unit Types need to be inserted into the Unit Type table (wmsnoltp.unit_type). There will be one Infectious Disease Unit Type using the Intensive Care Unit (ICU) staffing model and one using the Medical Surgical (M/S) staffing model.

Name	Code			Baseline		Workload type	L	Sort Order
Infectious Disease-ICU	IDC	GENERAL	1.694	0	22	ASSESSED	Infectious Disease Unit Type using Intensive Care Unit staffing model	100
Infectious Disease-M/S	IDM	GENERAL	1.658	0	22		Infectious Disease Unit Type using Medical Surgical staffing model	101



3.1.1 Issues

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* REGISTRAR NUMBER	WACHAR2 (40 BYTE)
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F * UNIT TYPE ID	NUMBER (38)
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 MITENT SEX 	WACHARIZ (1.8YTE)
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THIP_STATUS	WACHWAR (3 BYTE)
M/ GRADE	WARCHAR2 (4 BYTE)
MITENT_AGE	WACHAR2 (4 BYTE)
MITENT_DOCTOR	WARCHARD (6 BYTE)
ADMESSION COMPENTS	VANCHARIZ (66 BYTE)
CASUALTY_STATUS	WACHARIZ (SIBYTE)
COMMAND_INTEREST	WARCHAR2 (4 BYTE)
ADMIT_DIAGNOSIS_TEXT	WACHAR2 (50 BYTE)
SOURCE_OF_ADMISSION	WARCHAR2 (2 BYTE)
ARSENT_STATUS	WARCHARD (2 BYTE)
REMARK	WANCHARG (4000 BYTE)
POP_CONTROL	WANCHARIZ (1.8YTE)
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	PATIENT DOCTOR	WARCHAR2 (5 BYTE)
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4 Patient Manager Design

4.1 Adding Infectious Disease Service Type

A Service Type is an attribute of a patient to identify the type of care the patient receives. Within the WMSNi data model, a service type is equivalent to a unit type applied to a patient record. The new unit types for organizations will be able to be applied to patients so that they can be identified as "Infectious Disease" patients even if they are transferred outside an Infectious Disease unit.

When a patient is admitted, the Service Type: Infectious Disease (ICU) or Infectious Disease (Med/Surg) must be selected from the drop down and this patient will be tracked as an Infectious Disease patient. The new Service Types are based on a pre-existing Staff mix for Med/Surg and ICU. This assignment requires no new functionality and is folded into the current Patient Manager interface elements, seen below.

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4.1.1 Development Tasks

The development effort follows the existing Unit Type model to create new Infectious Disease Unit Types and to fold them into the existing structure. Specifically records will be added to the Unit Type table. Both the ward types and service types (See Appendix for a list of unit types/service types) are based on that data and will be updated immediately. The staffing model of the new Unit Type will be based on a previously established skill mix. A current skill mix will be utilized in order to shorten time to delivery of the new types. The screenshot above shows a mockup of how the new Service Types could appear in Patient Manager.

4.2 Adding Infectious Disease Status Patient Attribute for Tracking

WMSNi requires the ability to not only identify patients with Infectious Disease Service Types but also to track their Infectious Disease Status. To satisfy this requirement, a new patient attribute to track Infectious Disease Status is also being developed. This attribute requires a new data field on the patient record, seen in the previous data models. The Patient Manager user interface will require a new drop-down list for this attribute.

4.2.1 Development Tasks

The purpose of this attribute is to track Infectious Disease case progression and outcomes. The proposed statuses can be modified to meet customer requirements. The current statuses are:

- 1. Quarantined Due to Contact
- 2. Isolation With Symptoms
- 3. Tested Positive Quarantined
- 4. Tested Positive Discharged
- 5. Recovered Hospitalized
- 6. Recovered Discharged
- 7. Death During Hospitalization

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5 Business Intelligence Design

5.1 Description

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In addition to all of the typical WMSNi measures, i.e. NCH Required, NCH Available, Length of Stay and Acuity we have created new IDUT data fields to track infectious disease patients and workload. The fields laid out above will identify patients as well as wards that are relevant to infectious disease. We will provide a unit (ward) view of patients that is tactical in nature, giving a current count and the breakout of statuses and details. For a more strategic view at any organizational level (ward, section, MTF, Region, MEDCOM) we want to provide tracking over time, with several strategic values to understand the demands and progress over time of the infectious disease patients.



5.1.1 Ward View

The Ward View of infectious disease patients (Infectious Disease Unit Status Report) is to give the User a tactical view of the current situation on a ward. This includes total count of infectious disease patients, a breakdown of the status of those patients and patient details. The detail table currently includes Length of stay, current NCH, and Days of Ventilation.



Prototype - subject to change when deployed View in BrainJack:

https://brainjack.works/BIFDashboardDesigner.html?dashboardID=6CD22490-FC3E-4986-8AB5-CA 2675AD420E





5.1.2 Strategic View

The strategic view of the Infectious Disease Patients (Infectious Disease Strategic Tracker) will include data from all child wards with Infectious Disease Unit Type of a selected organization. The report will include tracking of patient status over time (admitted, tested positive, recovered, deaths), avg length of stay, and number of ventilated days. If there are other strategic values needed for nursing leadership they can be added to this report.



View in BrainJack:

https://brainjack.works/BIFDashboardDesigner.html?dashboardID=49000E5A-74E6-41D9-9922-CA7 36BFD3732

Components are:

- 1. Patient Count Over Time. (SUM of all child wards of selected organization)
- 2. Current status by Ward Chart and Table



5 WMSNi Business Intelligence OLAP and Reports Module Test Plan

History of Changes

Date	Version	Change Description	Editor
19 October 2016	0.1	Created the initial version of this document.	Linda W. Fisher
	1.0	Final revisions	
6 May 2020	2.0	Update to include Infectious Disease Reporting	Linda W. Fisher



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1 Introduction

The test plan for the Business Intelligence Module is presented in the material that follows. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan <u>if present</u> will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects¹

Role Name	Description	Avatar
Database Administrator	1 1 8	
Tester:	Name:	Date:
Application Administrator	Capable in the operation of WMSNi modules and conversant in the details of WMSNi business intelligence. This person should be able to manage roles, manage patients, manage schedules, run reports, and ensure that the functions of the system are in agreement with information presented by business intelligence components (charts, traditional reports, and OLAP cubes).	
Tester:	Name:	Date:

In the table that follows the required testing roles are presented and explained.

Test results must be reviewed by technical personnel and a customer capable of interpreting results. The vendor will be presented test results in an electronic format and given one business day to (1) explain problems encountered by the testers and (2) formulate a plan for the rapid remediation of problems. Neither the technical nor the business testers can make the final judgment on whether or not

¹ Database administrators will know to look for objects that may be adversely affected by the installation or update of a PL/SQL object. E.g., the update of a package can cause triggers, other packages, and standalone procedures to become invalid.



to go forward with the system; the decision must be joint. The test plan and results will be delivered to DHA leadership.

2 Business Intelligence Module





2.1.1 Prerequisites

Ensure that any prerequisites are listed: _____.

Delivery Assessment:

2.1.2	Installation	Instructions

The vendor shall provide instructions for using installation scripts and executables for upgrading WMSNi to _____. Among the things that must be present in the installation instructions are the following

- □ An explanation of each solution included in the delivery.
- \Box An enumeration of the files contained in the upgrade.
- □ Steps that when taken will apply install the solution.

Delivery Assessment:	





2.2 Business Intelligence Module Test Plan (Analytic Reports)

The Business Intelligence Module provides the user with the ability to retrieve information in the WMSNi System within minutes of being input. This section tests the system's ability to allow the user to build custom reports in three areas; Capacity Cube, Critical Indicator Cube, and the Patient Count Cube. Note***Please save a screen shot of any errors received during report testing. Place in the document following the appropriate section.



a .						
Step	Description: BI (Analytic Reports) ***	Run the same test for each of the three cubes.				
1	The user must login to the WMSNi user system using their CAC card.					
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Analytical Reports.					
3	Select one of the three cubes from the list	: Capacity Cube, Critical Indicator Cube, or Patient Count Cube.				
4	Click on the Open OLAP Navigator Icon	in the toolbar.				
5	Decide where, when, and what. (Select an	organization(s), a time period, and a list of measures).				
6	Click on Organization.					
7	Unselect All Organizations and click on the small red + sign. Select desired organization(s).					
8	Click OK, it will appear nothing has changed. Click OK again and the table will reflect you choice.					
9	Click on the Open OLAP Navigator Icon in the toolbar.					
10	Select Time from the Data Element window. Click OK again and the table will reflect you choice.					
11	Move unwanted items to the Filters list and select the items to be displayed in the table. Ensure that Measures is located in the Columns or Rows to allow the selected items to show in the table. (Check to see if you can move items from columns to rows and to the filter category).					
12	Select the desired items from the Measure	es list. Click OK again and the table will reflect you choice.				
13	Export the Table to Excel.					
Pass	Passing Criteria	Comments				
	All areas function as intended: Capacity Cube Critical Indicator Cube Patient Count Cube	Select a series of data for each cube. The modules can be further tested by entering data, tracking the data, and comparing to the data in the cubes.				

Delivery Assessment:	





2.3 Business Intelligence Module Test Plan (Strategic Reports)

This section tests the system's ability to allow the user to retrieve strategic reports.



Functional Testing

Step	Description: BI (Strategic Reports) ***	*WMSN Section Monthly Report WMSN Summary Report by Facility Manpower Staffing Dashboard Inpatient Nursing Summary Report DCN Dashboard Export Report PBAM Report			
1	The user must login to the WMSNi user s	ystem using their CAC card.			
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Strategic Reports.				
3	Select desired report from the Strategic Reports list.				
4	When each Report opens select the MTF, Section, and/or Unit desired and select a date <u>if required</u> . Reports will open in a preselected format. If a date is not required the report will return the current day or most recent month(s) of data.				
5	Check each report to ensure that it provid	es the intended data and that the exportable functions are working.			
Pass	Passing Criteria	Comments			
	All areas function as intended	 WMSN Section Monthly Report (Date Required) WMSN Summary Report by Facility (Date Required) Manpower Staffing Dashboard Inpatient Nursing Summary Report (Date Required) DCN Dashboard Export Report PBAM Report (Date Required) Infectious Disease Strategic Tracker 			

Delivery Assessment:	





2.4 Business Intelligence Module Test Plan (Tactical Reports)

This section tests the system's ability to allow the user to retrieve tactical reports.

Functional Testing

Step	Description: BI (Tactical Reports) ***	Workload Dashboard 24 Hour Report Patient Acuity File Listing Ward Activity Report Casualty Status Report Unassessed Patient Report
1	The user must login to the WMSNi user s	system using their CAC card.
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Tactical Reports.	
3	Select desired report from the Tactical Re	ports list.
4		Section, and/or Unit desired and select a date <u>if required</u> . Reports will not required the report will return the current day or most recent month(s)
5	Check each report to ensure that it provides the intended data and that the exportable functions are working.	
Pass	Passing Criteria	Comments
	All areas function as intended	 Workload Dashboard 24 Hour Report (Date Required) Patient Acuity File Listing Ward Activity Report Casualty Status Report Unassessed Patient Report Infectious Disease Unit Status Report

Delivery Assessment:	

IRR Reports)	

2.5 Business Intelligence Module Test Plan (IRR Reports)

This section tests the system's ability to allow the user to retrieve Inter-Rater Reliability (IRR) repor





Step		R Test Results er-Rater Reliability Dashboard R Command Status Report
1	The user must login to the WMSNi user s	ystem using their CAC card.
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled IRR Reports.	
3	Select desired report from the IRR Reports list.	
4	When each Report opens select the MTF, Section, and/or Unit desired and select a date <u>if required</u> . Reports will open in a preselected format. If a date is not required the report will return the current day or most recent month(s) of data.	
5	Check each report to ensure that it provides the intended data and that the exportable functions are working.	
Pass	Passing Criteria	Comments
	All areas function as intended	 □ IRR Test Results □ Inter-Rater Reliability Dashboard □ IRR Command Status Report

Delivery Assessment:	

2.6 Business Intelligence Module Test Plan (Classification Reports)



This section tests the system's ability to allow the user to retrieve classification reports.



	8	
Step	Description: BI (Classification Reports) *** Individual Patient Acuity Classification LAD Inpatient Classification Report	
1	The user must login to the WMSNi user system using their CAC card.	
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Classification Reports.	
3	Select desired report from the Classification Reports list.	
4	When each Report opens select the MTF, Section, and/or Unit and patient desired and select a date <u>if required</u> . Reports will open in a preselected format. If a date is not required the report will return the current day or most recent month(s) of data.	
5	Check each report to ensure that it provides the intended data and that the exportable functions are working.	
Pass	Passing Criteria Comments	

В	I	F
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All areas function as intended

□ Individual Patient Acuity Classification □ LAD Inpatient Classification Report

Delivery Assessment:	

2.7 Business Intelligence Module Test Plan (Schedule Reports)



This section tests the system's ability to allow the user to retrieve schedule reports.



Step	Description: BI (Schedule Reports) *** Single Day Schedule	
1	The user must login to the WMSNi user system using their CAC card.	
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Schedule Reports.	
3	Select Single Day Schedule report from the Schedule Reports list.	
4	When the Report opens select the MTF, Section, Unit desired and select a Date. Reports will open in a preselected format. Selecting a different date will provide staff for the newly entered date.	
5	Check the report to ensure that it provides the intended data and that the exportable functions are working.	
Pass	Passing Criteria	Comments
	All areas function as intended	□ Single Day Schedule (Date Reqired)

Delivery Assessment:



2.8 Business Intelligence Module Test Plan (PAC Reports)

This section tests the system's ability to allow the user to retrieve Post-Anesthesia Care (PAC) reports.



Step Description: BI (PAC Reports) *** PACS Daily Report



	making data meaningful		
1	The user must login to the WMSNi user system using their CAC card.		
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled PAC Reports.		
3	Select PACS Daily Report from the PAC Reports list.		
4	When the Report opens select the MTF, Section, Unit desired and select a Date. Reports will open in a preselected format. Selecting a different date will provide data for the newly entered date.		
5	Check the report to ensure that it provides the intended data and that the exportable functions are working.		
Pass	Passing Criteria	Comments	
	All areas function as intended	PACS Daily Report (Date Required)	

Delivery Assessment:



2.9 Business Intelligence Module Test Plan (Other Reports)

This section tests the system's ability to allow the user to retrieve reports not contained in the other sections. Those reports are the Scheduling Time Exceptions and the Classification Export Tool.



Step	Description: BI (Other Reports) *** Se C	cheduling Time Exceptions assification Export Tool	
1	The user must login to the WMSNi user system using their CAC card.		
2	Once logged into the WMSNi system the user must navigate to the Reports Tab, submenu titled Other Reports.		
3	Select desired report from the Other Reports list.		
4	The Scheduling Time Exceptions report requires no additional information, it is the same each time. The Classification Export Tool requires selections from the following elements: Opening and Closing Dates, Employee, MEPRS Code, Patient, Patient Type, and Status. The report will return the data based on selected elements for the requested time period.		
5	Check each report to ensure that it provides the intended data and that the exportable functions are working.		
Pass	Passing Criteria	Comments	
	All areas function as intended	 Scheduling Time Exceptions Classification Export Tool (Date Required) 	



Delivery Assessment:



6 WMSNi Patient Manager Module

History of Changes

Date	Version	Change Description	Editor
14 October 2016	0.1	Created the initial version of this document.	Linda W. Fisher
19 October 2016	2.0	Added LADS to document to Ensure Testing.	Linda W. Fisher
	3.0	Final revisions	
6 May 2020	4.0	Update to include Infectious Disease Unit Type	Linda W. Fisher



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1 Introduction

The test plan for the Patient Manager Module is presented in the material that follows. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan <u>if present</u> will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects²

In the table that follows the required testing roles are presented and explained.

Role Name	Description	Avatar
Database Administrat or	Understands the RDBMS technologies used to provide persistent storage for WMSNi. This person must be capable of running SQL scripts and evaluating results.	
Tester:	Name:	Date:
Application Administrator	Capable in the operation of WMSNi modules and conversant in the details of WMSNi business intelligence. This person should be able to manage roles, manage patients, manage schedules, run reports, and ensure that the functions of the system are in agreement with information presented by business intelligence components (charts, traditional reports, and OLAP cubes).	
Tester:	Name:	Date:

Test results must be reviewed by technical personnel and a customer capable of interpreting results. The vendor will be presented test results in an electronic format and given one business day to

² Database administrators will know to look for objects that may be adversely affected by the installation or update of a PL/SQL object. E.g., the update of a package can cause triggers, other packages, and standalone procedures to become invalid.



(1) explain problems encountered by the testers and (2) formulate a plan for the rapid remediation of problems. Neither the technical nor the business testers can make the final judgment on whether or not to go forward with the system; the decision must be joint. The test plan and results will be delivered to DHA leadership.

2 Patient Manager Module

2.1 Delivery Test Plan



2.1.1 Prerequisites

Ensure that any prerequisites are listed: _____.

Delivery Assessment:		

2.1.2 Installation Instructions

The vendor shall provide instructions for using installation scripts and executables for upgrading WMSNi to ______. Among the things that must be present in the installation instructions are the following

- \Box An explanation of each solution included in the delivery.
- \Box An enumeration of the files contained in the upgrade.
- □ Steps that when taken will apply install the solution.

Delivery		 	
Assessment:		 	





2.2 Patient Manager (Admit Outpatient) Module Test Plan

The Patient Manager Module provides the user with the ability to enter patients that are not entered automatically via the CHCS HL7 feed. This module must function as expected to allow the entry of patients when needed to ensure the patients are present for classification. This section tests the system's ability to allow the entry of an outpatient by a user via the Patient Manager.



Step	Description (Patient Manager Admit Outpatient) *** Include at least one Labor & Delivery Patient to check the LADS function.				
1	The user must login to the WMSNi user system using their CAC card.				
2	Once logged into the WMSNi system the user must navigate to the Patient Services submenu titled Patient Manager.				
3	Select Unit from the WMSNi 2.0 Organization Browse window.				
4	Select New Encounter Info Tab				
5	Click in the "Patient Type" box.				
6	Select Outpatient from the pop-up window.				
7	Enter the MEPRS code for the clinic where the outpatient originated or type in the clinic name.				
8	Select OK to accept or cancel to exit.				
9	Enter patient name (Last, First) in patient name box.				
10	Select the correct gender.				
11	Enter Birthdate in "Date-of-Birth" box.				
12	Use the calendar to select a date.				
13	Select the correct casualty status.				
14	Start Date will automatically be filled.				
15	Start Time will automatically be filled.				
16	Time selection pop-up.				
17	Select correct FMP status.				
18	Select the correct Service Type if different from the pre-filled service.				
19	If the user has incorrectly entered information the "Clear Form" button may be used. (If clear is used reenter information and admit)				
20	Admit the outpatient.				
Pass	Passing Criteria Comments				
	All areas function as intended Check the WMSNi Patient Browser window to ensure Patient is admitted.				



Delivery	
Assessment:	



2.3 Patient Manager (Admit Inpatient) Module Test Plan

This section tests the system's ability to allow the entry of an inpatient by a user via the Patient Manager.



Step	Description (Patient Manager Admit Inpatient) *** Include at least one Labor & Delivery Patient to check the LADS function.
1	The user must login to the WMSNi user system using their CAC card.
2	Once logged into the WMSNi system the user must navigate to the Patient Services submenu titled Patient Manager.
3	Select Unit from the WMSNi 2.0 Organization Browse window.
4	Select New Encounter Info Tab
5	Click in the "Patient Type" box.
6	Select Inpatient & OK from the pop-up window.
7	Enter the correct Register Number for the Inpatient.
8	Enter patient name (Last, First) in patient name box.
9	Select the correct gender.
10	Enter Birthdate in "Date-of-Birth" box.
11	Use the calendar to select a date.
12	Select the correct casualty status.
13	Start Date will automatically be filled. Check date.
14	Start Time will automatically be filled. Check time.
15	Time selection pop-up.
16	Select correct FMP status.
17	Select the correct Service Type if different from the pre-filled service.

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18

...making data meaningful

If the user has incorrectly entered information the "Clear Form" button may be used.

1	9 Admit t	Admit the Inpatient.		
Pass	Passing	Criteria	Comments	
1	□ All area	s function as intended	Check the WMSNi Patient Browser window to ensure Patient is admitted.	
	Delivery Assessment:			

2.4 Patient Manager (Admit Infectious Disease Inpatient) Module Test Plan



This section tests the system's ability to allow the entry of an inpatient by a user via the Patient Manager.



titled

В	I	F
Tec	hnolo	gies

	making data meaningful			
14	Start Time will automatically be	Start Time will automatically be filled. Check time.		
15	Time selection pop-up.	Time selection pop-up.		
16	Select correct FMP status.	Select correct FMP status.		
17	Select the Infectious Disease Se	Select the Infectious Disease Service Type if different from the pre-filled service.		
18	Select the Radio Button for Infe	Select the Radio Button for Infectious Disease.		
19	From the Dropdown select the c	From the Dropdown select the correct Status of the Infectious Disease patient.		
20	If the user has incorrectly entered	If the user has incorrectly entered information the "Clear Form" button may be used.		
21	Admit the Inpatient.	Admit the Inpatient.		
P ass	Passing Criteria	Comments		
	All areas function as intended	Check the WMSNi Patient Browser window to ensure Patient is admitted.		

Delivery		
Assessment:		

2.5 Patient Manager (Transfer) Module Test Plan



This section tests the system's ability to allow a user to use the Patient Manager to transfer a patient from one ward to another.



Step	Description (Patient Manager Transfer) *** Include at least one Labor & Delivery Patient to check the LADS function.
1	The user must login to the WMSNi user system using their CAC card.
2	Once logged into the WMSNi system the user must navigate to the Patient Services submenu titled Patient Manager.
3	Select Unit from the WMSNi 2.0 Organization Browse window.
4	Select Transfer Tab.
5	Select Patient.
6	Check to ensure the correct patient has been selected.
7	Start Date will automatically be filled. Check date.
8	Start Time will automatically be filled. Check time.

BIF Technologies				
	making data meaningful			
9	Click "Transfer to Ward" box. S	Click "Transfer to Ward" box. Select ward from the dropdown menu. Click OK.		
10	Verify that "Service Type" box	Verify that "Service Type" box is correct. If not select correct service type from the dropdown menu.		
11	Click Transfer Patient button.	Click Transfer Patient button.		
Pass	Passing Criteria	Comments		
	All areas function as intended	Check the WMSNi Patient Browser window for the ward the patient was transferred to and ensure Patient was correctly transferred.		

Delivery Assessment:



2.6 Patient Manager (Discharge) Module Test Plan

This section tests the system's ability to allow the user to discharge a patient using the Patient Manager.



Step	Description (Patient Manager Discharge) *** Include at least one Labor & Delivery Patient to check the LADS function.			
1	The user must login to the WMS	SNi user system using their CAC card.		
2	Once logged into the WMSNi sy Patient Manager.	ystem the user must navigate to the Patient Services submenu titled		
3	Select Unit from the WMSNi 2.	0 Organization Browse window.		
4	Select Discharge Tab.			
5	Select Patient.	Select Patient.		
6	Check to ensure the correct patie	Check to ensure the correct patient has been selected.		
7	Start Date will automatically be filled. Check date.			
8	Start Time will automatically be filled. Check time.			
9	Click "Discharge Patient" button.			
Pass	Passing Criteria	Comments		

All areas function as intended Check the WMSNi Patient Browser window to ensure Patient discharged. Delivery Assessment:	B I F Technologies	making data n	neaningful	
		All areas function as intended		

2.7 Patient Manager (Edit) Module Test Plan



This section tests the system's ability to allow a user to edit a patient record using the Patient Manager. Note** Patient Register numbers cannot be edited.



Step	Description (Patient Manager Edit) *** Include at least one Labor & Delivery patient to check the LADS function.		
1	The user must login to the WMSNi user system using their CAC card.		
2	Once logged into the WMSNi system the user must navigate to the Patient Services submenu titled Patient Manager.		
3	Select Unit from the WMSNi 2.0 Organization Browse window.		
4	Select Edit Tab.		
5	Select Patient.		
6	Check to ensure the correct patient has been selected.		
7	To edit gender, select the "Gender" dropdown menu and make the correction.		
8	To edit date of birth, click in the "Date of Birth" box and make the correction or use the calendar pop-up to make the correction.		
9	To edit casualty status, select the "Casualty Status" dropdown menu and make the correction.		
10	To edit FMP status, select the "FMP Status" dropdown menu and make the correction.		
11	To edit service type, select the "Service Type" dropdown menu and make the correction.		
12	The operations for Cancel Admission, Cancel Transfer & Cancel Discharge can only be tested on patients admitted or transferred without a classification or a patient that has been discharged within 24 hours.		
13	Click "Save Changes" button.		
Pas s	Passing Criteria Comments		
	All areas function as intended Check patient manager to ensure changes were made.		



Delivery Assessment:



7 WMSNi Test Plan Guidance

History of Changes

Date	Version	Change Description	Editor
22 May 2017	0.1	Created the initial version of this template.	Robert L. Hollis
16 July 2019	0.1	Verification of this document as current.	Linda W. Fisher
5 May 2020	0.2	Updated to add Infectious Disease Update	Linda W. Fisher



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2 Introduction

The collection of WMSNi test plan documents cover multiple testing scenarios, and each step of the delivery process warrants a different category of testing. This guidance document specifies recommendations on when to execute each category of testing. The categories are:

- Functional Testing Testing specific functional changes for each release.
- **Regression Testing -** Testing the overall application to verify that software which was previously developed and tested still performs correctly after a release.
- **Critical Path Testing** Spot-check testing of key components of the application to verify that software which was previously developed and tested still performs correctly after a release.

3 WMSNi Environments

In the next several sections, execution guidance is provided relative to personnel and environments. Personnel are described as follows:

- Developers Developers represent the group of team members who produced the fix or upgrade.
- Users Users represent a CADRE of Subject Matter Experts (SMEs) who understand the application through daily, operational usage.

The environments are broken out as illustrated in Figure 1. The arrows depict the flow from one environment to the next.



Figure 1: WMSNi Environment Flow Diagram


WMSNi Environments:

- Proof of Concept (POC)
 - **Sandbox:** Environment for development, tweaking, and establishment of installation procedures.
 - **Staging:** User Acceptance Test Environment: Initial installation test bed, also used to present initial release functionality to the Users.
- Pre-Production Test (ProdTest)
 - UAT: This is the final pre-production installation environment, used to ensure that issues that could surface during the transition to the Live Production environment are minimized or eliminated.
 - **Gold:** Intended to be a near-clone of the Production system allowing Users to test how changes will perform when they are installed in the Live Production environment.
- Production (Prod)
 - Live: Software in this environment is available to all WMSNi users.

4 Functional Test Plan

3.1 Why Execute

Each WMSNi release includes a number of updates to the application. In many cases, application functionality was altered to either fix a condition or improve a process. When functionality changes for either of these reasons, the release includes a Functional Test Plan document, covering the test steps for each functional change. These test steps reflect a set of requirements, and provide steps to verify those requirements are met.

3.2 When to Execute

Execute the Functional Test Plan steps as follows:

Environment	Situation	by Whom
Sandbox	Before installation to Staging to test the update and verify test steps.	Developers
Staging	Before installation to UAT.	Developers
UAT	Before installation to Gold.	Users
Gold	Functional Testing prior to Production Live Release.	Users
Production Live	After transition to Live, re-verify new functionality.	Developers and Users



4 Regression Test Plan

4.1 Why Execute

Each WMSNi release includes a number of updates to the application. Any update has the potential to affect functionality beyond the expected. Therefore, the regression test plan was drafted to provide guidance on how to ensure functionality which was previously developed and tested still performs correctly.

4.2 When to Execute

Execute the Regression Test Plan steps as follows:

Environment	Situation	by Whom
POC Sandbox	Before installation to POC UAT to verify legacy functionality.	Developers
POC UAT	Before User testing in POC UAT to verify legacy functionality.	Developers
ProdTest UAT	Before final transition to ProdTest Staging.	Developers
Production Live	After Critical Path Testing to verify legacy functionality.	Developers & Users

5 Critical Path Test Plan

5.1 Why Execute

Critical path testing is performed to ensure that major functionality remains operable after system changes. This difference from regression testing in that it's more of a high-level test. Critical Path testing ensures that key modules remain functional, but does not dive deep into verifying accuracy of calculations.

5.2 When to Execute

Execute the Regression Test Plan steps as follows:

Environment	Situation	by Whom					
UAT	Before final transition to Gold to verify operability.						
Gold	Before final transition to Production Live to verify operability.	Developers/ User					
Production Live	Immediately after transition to Live to verify legacy operability.	Developers/ User					







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8 WMSNi- 12c 2.4.7.0 R4 Production Critical Path Test Plan

Date	Version	Change Description	Editor
2 November 2016	0.1	Created the initial version of this document.	Linda W. Fisher
23 April 2019	0.2	Updated for Use for SE Linux Test	Linda W. Fisher
30 April 2019	0.3	Updated to include WIT	Linda W. Fisher
17 July 2019	0.4	Updated to include missing reports	Linda W. Fisher
5 April 2020	0.5	Update to include 2.4.7.0 R4/12c Oracle DB	Linda W. Fisher
5 May 2020	0.6	Update to include Infectious Disease Unit Type	Linda W. Fisher

History of Changes

READ PRIOR TO TESTING

The tester shall replace all results screens with results from the current test site. The expected screen view shall not be replaced but remains as a visual example for evaluators. The tester shall follow the instructions provided in the test plan. Note* Entered "Names" of test patients and "test wards" for use in follow-on test items.

Dates shall reflect the dates of testing.

All Pass boxes, Comments, & Delivery Assessments shall be updated.

Update Table of Contents when document is complete.



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1 Introduction

The test plan for the WMSNi Critical Path is presented in the material that follows. The Critical Path Test Plan is a high-level test plan to ensure the functionality of major functions within WMSNi are performing correctly after routine system changes. Readers can expect that each section will clearly explain who should perform the testing, what is being tested, and desired test results. Most testing sections have been constructed so the user can determine if the module is functioning as intended. Some portions of the testing may be required to be performed by an application administrator or by a database administrator; these portions of the test plan, <u>if present</u>, will be denoted by the Database Administrator or Application Administrator Avatars as they require someone with WMSNi database administrative privileges. Examples are:

- Query Execution running diagnostic queries,
- Result Assessment assessing the effect of scripts upon WMSNi schema objects³

Role Name	Description	Avatar
Database Administrat or	Understands the RDBMS technologies used to provide persistent storage for WMSNi. This person must be capable of running SQL scripts and evaluating results.	
Tester:	Name:	Date:
Application Administrator	Capable in the operation of WMSNi modules and conversant in the details of WMSNi business intelligence. This person should be able to manage roles, manage patients, manage schedules, run reports, and ensure that the functions of the system are in agreement with information presented by business intelligence components (charts, traditional reports, and OLAP cubes).	
Tester:	Name: I	Date:

In the table that follows the required testing roles are presented and explained.

³ Database administrators will know to look for objects that may be adversely affected by the installation or update of a PL/SQL object. E.g., the update of a package can cause triggers, other packages, and standalone procedures to become invalid.



Test results must be reviewed by technical personnel and a customer capable of interpreting results. The vendor will be presented test results in an electronic format and given one business day to (1) explain problems encountered by the testers and (2) formulate a plan for the rapid remediation of problems. Neither the technical nor the business testers can make the final judgment on whether or not to go forward with the system; the decision must be joint. The test plan and results will be delivered to DHA leadership.

2 Critical Path Test Plan



2.1.1 Prerequisites

Ensure that any prerequisites are listed: _SE Linux is turned on in the operating system where the application resides_____.

Delivery Assessment:		
Assessment:	_	
	-	
	-	
	_	

2.1.2 Installation Instructions

The vendor shall provide instructions for using installation scripts and executables for upgrading WMSNi Certificate. Among the things that must be present in the installation instructions are the following

 \blacksquare Explanation of each solution included in the delivery.

- \blacksquare Enumeration of the files contained in the upgrade.
- \blacksquare Steps that when taken will apply install the solution.

Delivery	_Version 2.4.7.0
Assessment:	R4/12c



2.2 Patient Services Critical Path Test Plan

The Patient Services Modules are where all data are entered into WMSNi. These modules must function as expected for the purpose of data integrity and reliability. The following Test are meant to test operability for high level quick functions testing. These tests do not test data accuracy. More detailed testing is required to test the data input and output validation.

The test steps will return a WMSNi screen for each test. Screenshots of correctly working modules are provided for comparison. Please note any portions of the screens that do not populate or any unexpected returned errors or other malfunctions. Additional screenshots are added to support the changes in 2.4.7.0 R4 1) Print/View Schedule restoration, 2) Hospital Roster restoration, 3) Prevention of same employee schedule time overlap, 4) Shift Manager - Start of Day - Removal of ability to change by users, & 5) Personnel Manager – Edit employee Information – email input box – Changed the email to commit the email address of the user to all lowercase.



Functional Testing

runctional	
Step	Description: Patient Services Critical Paths Test Plan
1 <u>Cl</u>	The user must login to the WMSNi user system using their CAC card. a)Startup authorized government PC/laptop/etc and Insert CAC for authorization b)Startup Internet Explorer c) Select WMSNi URL <u>https://wmsni.amedd.army.mil:8443</u> d) The User should see the WMSNi Welcome Page. e) The User is required to read and accept the terms of usage for the system by clicking on ick here to agree to all of the above and login with CAC at the bottom left of the page. f) The User should now be on the Menu Page for WMSNi.
2	Once logged into the WMSNi system the user must navigate to the Patient Services Tab.
3	From the submenu select the Classification Manager.
4	<complex-block></complex-block>



ttps://wmsni.amedd.army.mil:84	13/web/wmsni/classification-manager	- ▲ ♂ Search
assification Manager - D × □ Add ▼		💏 Goto 🔻
		1 404 10 -
Patient Services Reporting HELP	Case Management	
DHA Enterprise Server WMSNi Patient Service	Classification Manager	
Cassification Encode Cassification Cassifica	IV 1.1.42 IV IV IV Type Rules End IV IV Rules End IV	Distribution Distribution extra Collegation Payministre extra Collegation
WMSNi Patient Browser	R 4 1-1 of 0 Image: Second	004 Intake and Output X1 006 Funders Checks X1
Name Registrar # 🐨 Status	Tetal	000 Paintas Cirecka X1
	Acatly Calegory: 0 est (Points-8, NCH-8) 0.00	007 Neurowasoular Cheolas (including
//wmsni.amedd.army.mil8443/web/wmsni/classific	ation-manager?p_auth=SMLapaw3&p_p_auth=Oe1pA82Q&p_p_id=49&p_p	Jifeyde_

Classify any 3 patients. Use CIs 001 & 004. Check for anomalies. Window closes automatically after selecting Complete.



Patient Status correctly reflects: Ready (0 hours old). Screen Shot should show 1 minute or same time as Previous screen. This proves that the Patient completed in the last screen has an updated Status immediately.



...making data meaningful

n Manager - D		Controls												ň
NY MEDICINE														
Patient Services		HELP Patient Services	Case Management	ner										-
Cla Mai	ssification nager			Patient, Regin	, Megan									
User:	Linda W Fisher Apr-02 08:54:33 PDT : 33 Test	2020-Apr-02	Effective Date: 2020	04-02	📑 📕	0	ē 📀	CI Search:		*ALL*	▼ Hide	e Cl Heip		
WMSNI Organization &			Patient Classifications					Critical India	ators Cal	igories				
Selected: Test Med Su WEDCOM	rge Ward			1-1 of 1	Э	•	(н)	(2) Gen	eat 📗	00 P	aychiatric			
NCR			Туре	Status		End		(6)		1-8 of 07				
 RHC Atlant RHC Centr 			INPATIENT (ASSESSED)	COMPLETE		2020-04-02		Selected						
RHC Europ	e								_	On Pass - Absent Sick - Suppleme				
 RHC Pacifi zzz Inactive 								2	001	Wal Signs X1				
 zzz Test 														
										Fetal Heart Tones X1				
			Services						003	Vital Signs for post-op recovery				
WHSN Patient Drowser				1-1 of 0	•	•	ю		004	Intake and Output X1				
	100-108 of 170	• н	Code Name		Max	Remark	is Qty NCH		005	Fundus Chaoks X1				
A Name	Registrar #	Status	Acuity Category	0			Total: 0.00		006	Neurological Checks X1				
Regir, Megan	000082048	Ready (0 hours old)					0.00		007	Neurovascular Checks (including				
Reynolds, Malocim	000007433	Ready (Undassified)						Critical India	atry Halls					
Rodriguez	000183306	Ready (Unclassified)						4 - Intako a		LX1				
Rumplestilskin	TEST BEAA 0002							AC 4: Intak						
Rush Tea, Salmon	000013298	(Unodissined) Bearly						1, ISO incl. 2, Patients 3, Operatio		to measure all forms of I&O, including take or just output will not receive poin	diaper weights. 6.			
Salway Infant		(Unclassified) Ready						a. Measuria container a	ng and re	conding intake: Includes time to place a ide, measure or calculate the fluids, n	a calibrated cylinder a scord the amount on	or the I&O		
Female	723263	(Unclassified) Ready						record, and and	i remove	he equipment from the area.		\sim		
Sam, Uncle	000007438	(Unclassified)						.h.Measurit	es hes no	ordina coltrat-orine. Includes, time in a	slace a calibrated cut	inder at		
Save Patient	000038891	Ready (0 hours old)												

Pass	Passing Criteria	Comments						
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened and the issue with delayed Status update is corrected.						
5	The user must login to the WMSNi user system	The user must login to the WMSNi user system using their CAC card.						
6	Once logged into the WMSNi system the user r	Once logged into the WMSNi system the user must navigate to the Patient Services Tab.						
7	From the submenu select the Patient Manager.	From the submenu select the Patient Manager.						

The following is the expected screen view:

SNi Patient Ma	nager							
3	Patient Man ver 2.2.0.1 R1 User: Dr. Linda Fisher Current Time:	-	Edit Patient Information	iew Encounter Info	Discharge			
 WMSNi Organizatii Selected: Madigan MEDCOM ► RHC Atl ► RHC Ce ► RHC Eu 	5N PSYCHIATRY antic ntral rope							
 RHC Pa zzz Inac zzz Test 	tive		Patient Number:			Start Date:		
			Patient Name:	Female	•	Start Time:		
				remale	•			
- WMSNi Patient Bro			Date of Birth:			MTF: M	ladigan Army Medical Ce	enter
Whishi Patient Bro	1-3 of 3	ю н	Casualty Status:	*NONE*	•	Ward:		
Name	Registrar #	Admission Status				Service Type: *L	Jnset*	
Better, Getting	000000402	ADMITTED						
Down, Lock	000000400	ADMITTED						
Hope, Some	000000401	ADMITTED						
					Save Changes	Cancel Admiss	sion Cancel Transfer	Can



ager - DHA Ent.			/web/wmsni/patient	munuger				~ A (Search	
🖌 🥜 Manage 🔻	🗹 Edit C	ontrols								
A.										
WY MEDICINE										
Patient Services	Reporting	HELP	Case Management							
HA Enterprise Serve	r WMSNE) I	Patient Services	Patient Manager							
	/ / /									
-	Patient Mana	ger								
	er 2.4.7.0 R4 Iser: Linda W Fisher		Ede Store	rosunter Info 🏼 🏝 Transfer 🔹 🗟 Discharg				Hospital Patient		
	Jurrent Time:		Edit Patient Information					Roster		
			Patient Number:		Start Date:					
- WMSNI Organization 8 Selected: Test Med Sur	cuser									
MEDCOM	Ge ware		Patient Name:		Start Time:					
NCR			Gender: Fett	ale 🗸	FMP Status: *	IONE*	Y			
 RHC Atlant RHC Central 			Date of Birth:		MTF: 1	est Army Medical Center				
RHC Europ	e		Casualty Status: NC	NE*	Ward:					
 RHC Pacifi zzz Inactive 					Service Type:	h10				
► zzz Test					service type: []	wser.	Y			
WMSNA Patient Browser										
	1-7 of 170	D H								
Name	Registrar #	Admission Status								
Jannifer cook	TEST.BCBA.0000									
dunly,phil	TEST.BFDN 0000	5 ADMITTED								
BARTON, TEST1	000188009	ADMITTED								
jack black	TEST.BGZD.0003									
Augustus Waters	TEST.BAMA.0003			Our Observe	Cancel Adm	anian Connect Transfer	Cancel Discharge			
the one gerards-sims.	TEST.BAGA.0003			Save Changes	Canow Aum	cancer manarel	Canter Discharge			
marianne	TEST.BEDA.0001	1 ADMITTED								

Insert a screenshot of Hospital Roster screen results here:

The Hospital Roster is located at the Upper Right of the Patient Manager screen: Hospital Patient Roster reports all patients for target MTF as intended.

Patient Manager - DHA Enterp 🦉 wmsni.amedd.army.mil	×		
		WMSNi Hospital Roster Report	
		Test Army Medical Center	
Registrar Number	Patient Name		Ward Name
00003 00004	Bale, Christian A. I am Ready	Test Labor and Delivery Ward Test Labor and Delivery Ward	
00105	TEST1, BIF	Test Med Surge Ward	
00146	TEST2, BIF	Test Med Surge Ward	
03558	LaBella,Lynda	Test Psychiatric Ward	
04191	CHARLIE, NINE	Test Psychiatric Ward	
05494	William Chappell	Test Med Surge Ward	
05495	Smith, Emma	Test Med Surge Ward	
05496	Ben White	Test Psychiatric Ward	
005497	Who, Doctor	Test Labor and Delivery Ward	
005501 006079	monkey, banana Smith, John	Test Labor and Delivery Ward Test Med Surge Ward	
0060379	Smith, John Grav, Aaron	Test Med Surge Ward Test Med Surge Ward	
006080	Mocha Beets	Test Ned Surge Ward Test Psychiatric Ward	
00003	Smart, Smart	Test Med Surge Ward	
006091	Caramel Camel	Test Med Surge Ward	
006768	Gaines, Suzanne	Test Med Surge Ward	
006769	Sam, Uncle	Test Psychiatric Ward	
006770	Smith, John	Test Med Surge Ward	
006771	Kirby, Fats	Test Med Surge Ward	
667906	Duck, Howard The	Test Psychiatric Ward	
007329	WHSNI 2.0	Test Mod Surge Ward	
007330 007332	jil collins Link Zelda	Test Psychiatric Ward Test Psychiatric Ward	
007334	arcanoel.manuel	Test Med Surge Ward	
007337	Jamie Jackson	Test Med Surge Ward	
007433	Reynolds, Malcolm	Test Med Surge Ward	
007434	Rodgers, Aaron	Test Labor and Delivery Ward	
007436	Sam, Uncle	Test Med Surge Ward	
007848	Test, LAD2	Test Med Surge Ward	
000071	smith, john	Test Psychiatric Ward	
008074	Blast, Winter	Test Med Surge Ward	
008661	Wonka, Willy	Test Mod Surge Ward	
000662	Cruz, Ai Jennifer Cook	Test Med Surge Ward	
000567	Anthony Jacobs	Test Psychiatric Ward Test Psychiatric Ward	
000007	Smith, John	Test Med Surge Ward	
008669	Smith, Paul	Test Post Anesthesia Care Unit-Test Change	
008820	Nighty Mouse	Test Med Surge Ward	
08821	Pu, Kio	Test Med Surge Ward	
, Apr 02, 2020 10:58		'For Official Use Only - Sensitive but Unclassified'	
M		WMSN	
V		Hospital Roster Report	
•		Test Army Medical Center	
Registrar Number	Patient Name		Ward Name
08823	Summers, Scott	e Test Med Surge Ward	TYON INDIRE
08824	You, Me	Test Med Surge Ward	
08826	Kitty Cat	Test Med Surge Ward	
00827	buddy love	Test Med Surge Ward	
00828	Lady, Lucy	Test Med Surge Ward	
600329	Нароу, Јоу Јау	Test Med Surge Ward	
<			

DOB offset Test: Admit new patient with DOB today & FMP Status of Child 1. Get screenshot.



Soft Attps://wnsni.amedd.army.mi/8443/ nt Manager - DHA Ent × Add Manage	web/wmssi/patient-manager	
DHA Enterprise Server WMSN Patient Services	Edit Street results into	Patient
All Contraction from the first Contraction for the contraction for the contraction for the contraction of the contraction for the contraction of the contraction	The Hard Source Hondon Data yulkadig te Palatel Type "Palet Type 100/X10X1 "Palet Type 100/X10X1	
Ald/Darfeler Aussur Aussi Aussi Aus	Cearform	m) Ann
A H 🖿 🤌 😼 ۶	P 💩 💫 R 🗟 🛪 🗃 🛛	. م

Edit FMP Status Child 1 change to Child 2, DOB should remain the same. Get Screenshot

https://wmsni.amedd.army.mil:844	/web/wmsni/patient-manager	✓
Patient Manager - DHA Ent., × 📑		
③ Add ▼		🛖 Go to 🔻
Page	Case Managament	I
DHA Enterprise Server WMSNi Patient Services	Patient Manager	
Personal and any of the second	Non-control of the control o	People Parter Rooter
। २ म 📄 🥭 😓 '	P 🧟 🐼 🗷 🗟 💴 🖻 🔼	e ^ 9a

Test that Infectious Disease Unit Type is available and that Dropdown Infections Disease Stati are visible when Infectious Disease Radio Button is selected.



2

...making data meaningful

Selected: Test ICU WA MEDCOM NCR RHC Atlant RHC Centr RHC Europ	ic al								
► RHC Pacifi			Patient Number:			Start Date			
V zzz Test			Patient Name:		-	Start Time			
	my Community He	ospital		Female	•	FMP Status	*NONE*		
	I AD WARD		Date of Birth:	T Cillaic	-			y Community Hospit	
WMSNi Patient Browse			Date of Birth:			MIE	Test Arm	y community Hospit	ai
			Casualty Status:		•	Ward			
8 4	1-7 of 11		Infectious Disease:	Yes O No		Service Type	*Unset*		
Name	Registrar #	Admission Status	Infectious Disease	*NONE*	•				
Test 24HR	000001233	ADMITTED	Status:	Quarantined - Due to Contact					
MSIP22	000001133	ADMITTED		Isolation - With Symptoms					
CCIP12	000001149	ADMITTED		Tested Positive - Quarantined					
CCIP42	000001152	ADMITTED		Tested Positive - Discharged					
CCIP52	000001153	ADMITTED		Recovered - Hospitalized	s	Cancel A	dmission	Cancel Transfer	Cancel Discharge
CCIP62	000001154	ADMITTED		Recovered - Discharged					
CCIP72	000001155	ADMITTED		Death - During Hospitalization					

Pass		Passing Criteria	Comments
	V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened. Hospital Roster functions as expected. DOB does not change with patient updates.
	9	The user must login to the WMSNi user system	n using their CAC card.
0	1	Once logged into the WMSNi system the user	must navigate to the Patient Services Tab.
1	1	From the submenu select the Personnel Manag	er.

The following is the expected screen view:

WMSNi Personnel Manager					
Personnel Manager ver 2.2.0.1 R1 User: Dr. Linda Fisher Current Time:	Filter:	Editor	🖉 Active 🗆 In-Tran	sit Separated	
WMSNi Organization Browser Selected: Madigan 5N PSYCHIATRY		۲	3	1-17 of 34	
MEDCOM RHC Atlantic	Status	Last	First	EMail Address	Skill L
 RHC Central RHC Europe 	ACTIVE	hoeper	ronald	ronald.hoeper@us.army.mil	Nurse
RHC Pacific zzz Inactive	ACTIVE	sanders	barbara	barbara.sanders3@us.army.mil	Nurse
 zzz Test 	ACTIVE	long	shannon	shannon.p.long@us.army.mil	Nurs
	ACTIVE	razmek	kathleen	kathleen.razmek@us.army.mil	Nurs
	ACTIVE	rabino	ariel	ariel.rabino@us.army.mil	Regi
	ACTIVE	whitcomb	nancie	nancie.whitcomb@us.army.mil	Regi
	ACTIVE	kessie	karen	karen.kessie@us.army.mil	Regi
	ACTIVE	pierre	laura	laura.williams.pierre@us.army.mil	Assis



▼ 🥜 Manage ▼ 🛛 🗹 Edit Controls							4
Patient Services Reporting HELP C2	ise Management						
	ersonnel Manager						
Personnel Manager	Personnel Data	Editor					
ver 2.4.7.0 R4 User: Linda W Fisher 2020-Apr-02 09:05:06 PDT	S +	🔁 🗙 👍	Active	In-Transit 🗌 Separated			
-	Filter:		Q	Organization: Test	Med Surge Ward		
WMSNi Organization Browser Selected: Test Med Surge Ward				Edit Employee Inform	nation		
V MEDCOM		۲		20		8	
NCR RHC Atlantic	Status	Last	First	Last Name:	America	Level	
RHC Central	ACTIVE	America	Captain			diness Required	
 RHC Europe RHC Pacific 	ACTIVE	Collins	June	First Name:	Captain	erienced RN Classifier	
 zzz inactive 	ACTIVE	Rock	Tezmon	Organization (Ward):	Test Med Surge Ward	d Master	
▼ zzz Test ▼ Test Army Medical Center	ACTIVE	Awesome	Totally	Service:	Captain	d Nurse	
► Test1	ACTIVE	Doe	John			ies Aid	
Test Labor and Delivery Ward Test Med Surge Ward	ACTIVE	Jones	Joe	Status:	Active	prienced RN Classifier stant OIC	
Test Post Anestheola Care Unit-Test Change	ACTIVE	Doctor Bobo	The Love Bear	EMail Address:	IN.AMERICA@MAIL.MIL	d Nurse	
Train/Test Walter Reed NMMC	ACTIVE	Rabbit		Skill Level:	Readiness Required	a Nurse	
	ACTIVE	Thomas	Roger John			e istered Nurse	
	ACTIVE	Sanitizer	Hand	Case Manager EDIPN		istered Nurse	
	ACTIVE	Michaels	John	Save Cancel		istered Nurse	
	ACTIVE	Booboo	Honey			istered Nurse	
	ACTIVE	Mouse	Mickey	mickeymouse@	ue army mil	Registered Nurse	
	ACTIVE	Mouse	Mickey	mickeymouse.m		Registered Nurse	
	ACTIVE	Test	User	test@ARMY.MI		Registered Nurse	
	ACTIVE	Ready	You	You.Ready.milg		Registered Nurse	
				roontoody mag	2	regione o manos	

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Select an Employee. Select Edit Icon. Attempt to edit an employee email using all Uppercase letters. The application should automatically force a lowercase email address.

es > Personnel Manager						
Personnel Dati	Editor	☑ Active □ In	n-Transit Separated			
Filter:		Q	Organization: Test Med Surge Ward			
8	۲		1-17 of 32			
Status	Last	First	EMail Address	Skill Level		
ACTIVE	America	Captain	CAPTAIN AMERICA@MAIL MIL	Readiness Required	1	
ACTIVE	Collins	June	june.l.collins.mil@mail.mil	Experienced RN Classifier		
ACTIVE	Rock	Tezmon	tezmon.rock.us@mail.mil	Ward Master		
ACTIVE	Awesome	Totally	totally.awesome@mail.mil	Head Nurse		
ACTIVE	Doe	John	john.doe.mil@mail.mil	Nurses Aid		
ACTIVE	Jones	Joe	joe.a.jones@mail.mil	Experienced RN Classifier		
ACTIVE	Doctor	The Love	thelove.doctor.mli@mail.mil	Assistant OIC		
ACTIVE	Ready	You	You.Ready.mil@mail.mil	Registered Nurse		
	Personel Data	Personne Data Editor	Personal Data Editor	Personnel Data Editor	PersoneD Data Editor PersoneD Data Ed	Personel Data Edite Personel Data Edite Edited Personel Data Edite Personel Data Edited Perso

Leave Personnel Manager and reenter to see that the email is forced to lowercase.



6

...making data meaningful

Personnel Manager - DHA E... × Add × Manage × K Edit Controls - 🔒 🖒 Search... 🕇 Go to 🔻 ARL es Reporting HELP Case Personnel Manager ver 2.4.7.0 R4 User: Linda W Fisher 2020-Apr-02 09:09:28 PDT 2 🗐 🕂 📝 🗙 😓 🛛 Active 🗆 In-Transit 🗆 S Ø2 Q Filter: Organization: Test Med Surge Ward d: Test Med Surge Ward 0 a 1-17 of 32 ilail Address NGF RHO RHO RHO june L collins.... "mon.rock.us@r "tome@ June Tezmon Totally John The Love Bear Roger John Hand John Hand John Honey Mickey User You mail.mil nail.mil mail.mil ACTIVE Collins Rock Awesorr Doe Jones Doctor Bobo Rabbit Thomas Sanitized Michaels Booboo Mouse Test Ready ard Master ead Nurse urses Aid xperienced RN Cla tezmon.rock.us@mail.mil totally.awesome@mail.mil john.doe.mil@mail.mil joe.a.jones@mail.mil thelove.doctor.mil@mail.mil Experier sistant OIC bear@bobo.com ead Nurse rabbit.mii@mail.mil john@mail.mil sanitizer.mii@mail.m chaels.civ@mail.mil roge rmy.mi nail.mil tered Nurs tered Nurse tered Nurse tered Nurse tered Nurse test@ARMY.MIL il mil adv.mi

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Pass		Passing Criteria	Comments
	V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened. Personnel Manager functions as expected. The addition of Forcing the email to be lowercase reverted after leaving and coming back to the Personnel Manager.
3	1	The user must login to the WMSNi user system	using their CAC card.
2	1	Once logged into the WMSNi system the user r	nust navigate to the Patient Services Tab.
4	1	From the submenu select the Organization Man	ager.

The following is the expected screen view:

Streng 544	Organization Manager ver 2.4.7.0 R4	Organization Editor			
and the	User: Dr. Linda Fisher 2020-May-05 17:16:21 CST	Name:	Womack Army Medical Cer	Unit Type:	
		Abbreviation:	WOMACK	CHCS MTF ID:	A1031
	Organization Browser	CHCS Ward Name	Womack Army Medical Cer	Shift Type:	0
Selected	I: Womack Army Medical Center SICU – (3rd Floor) - Surgical				
	ICU	Zone Information:	America/New_York	Bed Count:	0
	WRNMMC Maternal / Child Health WRNMMC Post-Anesthesia	Organization Type:	MTF	Day Start Minutes:	0
	WRNMMC Psychiatric	CONUS:	Y	MEPRS Code:	
	HC Atlantic Blanchfield Army Community				
	Hospital	APC:		UIC:	W2L6
	Eisenhower Army Medical Center Ireland Army Community Hospital	DMIS ID:	0089		
	Womack MCN Section Womack 3P AEDIATRICS Womack 3S MOTHER BABY UNIT Womack LABOR & DELIVERY Womack NICU Womack NNS Section Womack Post Anesthesia Care Unit				



Insert a screenshot of your results here:

Must select Region for Sections to appear. Add a new unit using the (+) button and filling in the fields. Record a screenshot of the newly added unit.

		zation Editor	Organi	ation Manager	Ver 2.4
Name: Womack Army Medical Cer Unit Type:	Womack Army Me	Nar		Linda Fisher -05 17:16:21 CST	User:
viation: WOMACK CHCS MTF ID: A1031.1	WOMACK	Abbreviati			
Name: Womack Army Medical Cer Shift Type: 0	Womack Army M	CHCS Ward Nar			WMSNi Organiz
mation: America/New_York Bed Count: 0			*	Army Medical Center – (3rd Floor) - Surgical	
n Type: MTF Day Start Minutes: 0	MTF	Organization Ty		C Maternal / Child Health C Post-Anesthesia	► WRN
ONUS: Y MEPRS Code:	Y	CONU		C Psychiatric	WRN RHC Atlanti
APC: UIC: W2L6AA		AF		Army Community	Hospita
MIS ID: 0089	0089	Cancel	Ok	Army Medical Center Y Community Hospital Community Hospital my Community Hospital my Medical Center MCN Section for 3 MOTHER BABY with A Community Hospital my Medical Center MCN Section Food Anesthesia Care tivated)	Ireland Keller A Martin A Moncrie Winn Ar Womacl Womacl
				tivated)	RHC Pacific Region D (E zzz Test

Use the (-) button to remove the newly added button and record a screenshot.

Organization Manager	Organization Editor			
User: Dr. Linda Fisher 2020-May-05 17:16:21 CST	Name:	Womack Army Medical Cer	Unit Type:	
	Abbreviation:	WOMACK	CHCS MTF ID:	A1031.1
WMSNi Organization Browser	CHCS Ward Name:	Womack Army Medical Cer	Shift Type:	0
Selected: Womack Army Medical Center SICU – (3rd Floor) - Surgical	Zone Information:	America/New York	Bed Count:	0
ICU WRNMMC Maternal / Child Health		_		
WRNIMMC Post-Anesthesia WRNIMMC Psychiatric	Organization Type:		Day Start Minutes:	0
RHC Atlantic	CONUS:	Y	MEPRS Code:	
 Blanchfield Army Community Hospital 	APC:		UIC:	W2L6AA
Eisenhower Army Medical Center Ireland Army Community Hospital	DMIS ID:	0089		
Keller Army Community Hospital Mancrief Army Community Hospital Mancrief Army Community Hospital Mancrief Army Community Hospital Wanack All Status Womack All Status Womack Norther Bears Womack Norther Bears Womack NAUSE Contract Womack NAUSE Contract Womack NAUSE Contract Womack NAUSE Womack NAUSE Contract Womack NAUSE Womack Womack NAUSE Womack Womack NAUSE Womack Womack NAUSE Womack Womack	OK Cancel			

P ass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
1 7	The user must login to the WMSNi user system	n using their CAC card.
1	Once logged into the WMSNi system the user r	must navigate to the Patient Services Tab.



From the submenu select the Schedule Manager.

The following is the expected screen view:



Insert a screenshot of your input screen results here:



Select 3 employees, enter each employee on the same shift for 2 consecutive days. One employee on each 8 hour shift.

Same shift overlap: Select any employee and attempt to enter a second shift for the same employee at the same time as an existing shift. You should receive an error message and not be allowed to create the second same shift for the same employee.

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Dationt	Services	Reporting	a HELP	Case Manag	remont									
DHA Enterp		· · · · ·	Patient Services	Schedule I										
_	· · · · ·													
	Arganization B			Schedule										
V MEDC	Test Med Sur	ge Ward		1 Day	3 Days 7 Da	ys 2020-Apr-02								
NC DH	R IC Atlantic			2020	Thu, Apr 2	Fri, Apr 3	Sat, Apr 4	Sun, Apr 5	Mon, Apr 6	Tue, Apr 7	Wed, Apr 8			
RH	IC Central IC Europe				Tezmon Rock							^		
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► 222 ► 222	c Inactive c Test			1 am								~		
				2 am										
				3 am 4 am			Informatio	n						
				5 am			R	C call for creating ne	w employee event fai	led:				
WMSNI En	nployee Brows	er		6 am 7 am		Captain America	00	001: unique constrai	estraintViolationExce t					
	1-7 c	if 46 🛛 💽	• •	3 am		SCHEDULED -	(M 06	MSNOLTP.EMPLOY 512: at line 6	"EE_EVENT_UK1) vid	plated ORA-				
x	Last	First	Float Roster	9 am		 Overtime: Charge Numa, Comp Time 				Close				
~	Name America	Name Captain	Roster	10 am		Nurse: Comp Time Borrowed Time:								
	Collins	June		noon			-							
2	Rock	Tezmon		1 pm										
	Awesom			2 pm 3 pm		June Collins								
	Doe	John		4 pm										
	Jones	Joe		S pm										
		The		6 pm 7 pm										
		Love		8 pm										
	Doctor											~		
	All Scheduled	Staff		9 pm										

Partial Shift overlap: Select any employee and attempt to enter a second shift for the same employee at a time that overlaps an existing shift by at least an hour. You should receive an error message and not be allowed to create the second same shift for the same employee.



Insert a screenshot of your View/Print All Schedule screen results here:

View Print Schedule: Link to Report is on the Schedule Manager page. The Report should include the employees you created schedules for and the roll-up should report the number of employees for each shift correctly.



10-	are manager on.	🧉 wmsni.amedo	d.army.mil ×	1									
V							Test Med Surge War	MSNI d - Two Week Schedul					
e Name Skil 2, 2020 at 11:23:47		19 Mon. Ma	ar-30 Tue. M	ar-31 Wo	ed. Apr-01	Thu. Apr-02	Fri. Apr-03	Sat. Apr-04	Sun. Apr-05	Mon. Apr-06	Tue. Apr-07	Wed. Apr-08 page	Thu
								MSNi d - Two Week Scheduli					
Shift	Skill	Sun. Mar-29	Mon. Mar-30	Tue. Mar-31	Wed. Apr-01	Thu. Apr-02	Fri. Apr-03	Sat. Apr-04	Sun. Apr-05	Mon. Apr-06	Tuc. Apr-07	Wed. Apr-08	Thu. Apr
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2, 2020 at 11:23:47	CLK	0	0 0		0	0	0	0 0	0	0	0	0	
												page	

Delete employee schedule on removal of employee access: Return to Personnel Manager and place an above scheduled employee in an InTransit Status. Return to Schedule Manager and select the same 3 employees. The employee that you placed in InTransit Status should no longer be visible on the unit's schedule.

2							
NY MEDICINE							
Patient Services Reporting HELP Ca	ase Management						
DHA Enterprise Server > WMSNi > Patient Services > P	ersonnel Manager						
Personnel Manager ver 2.4.7.0 R4	Personnel Data E	litor					
User: Linda W Fisher 2020-Apr-02 09:28:51 PDT	S 🛨 🗍	· 🗙 🗄 🗉	Active 🗆 In-Tra	nsit 🗌 Separated			
2020-Apr-02 09:28:51 PD1			Q 0				
	Filter:			rganization: Test Med Surge Ward			
Selected: Test Med Surge Ward WEDCOM		۲		1-17 of 32	۲	н	
NCR	Status	Last	First	EMail Address	Skill Level		
RHC Atlantic RHC Central	INTRANSIT	America	Captain	captain.america@mail.mil	Readiness	Required	
RHC Europe	ACTIVE	Collins	June	june.l.collins.mil@mail.mil	Experience	ed RN Classifier	
RHC Pacific zzz inactive	ACTIVE	Rock	Tezmon	tezmon.rock.us@mail.mil	Ward Mas	ler	
V zzz Test	ACTIVE	Awesome	Totally	totally.awesome@mail.mil	Head Nurs	0	
 Test Army Medical Center Test1 	ACTIVE	Doe	John	john.doe.mil@mail.mil	Nurses Aid	i .	
Test Labor and Delivery Ward	ACTIVE	Jones	Joe	joe.a.jones@mail.mil	Experience	ed RN Classifier	
Test Med Surge Ward Test Post Anesthesie Care Unit-Test	ACTIVE	Doctor	The Love	thelove.doctor.mil@mail.mil	Assistant 0	DIC	
Change Train/Test Walter Reed NMMC	ACTIVE	Bobo	Bear	bear@bobo.com	Head Nurs	æ	
Irain/rest water feed NMMC	ACTIVE	Rabbit	Roger	roger.e.rabbit.mii@mail.mil	None		
	ACTIVE	Thomas	John	thomas.john@mail.mil	Registered	Nurse	
	ACTIVE	Sanitizer	Hand	hand.e.sanitizer.mil@mail.mil	Registered		
	ACTIVE	Michaels	John	john.michaels.civ@mail.mil	Registered		
	ACTIVE	Booboo	Honey	honey.booboo.mil@mail.mil	Registered		
	ACTIVE	Mouse	Mickey	mickeymouse@us.army.mil	Registered		
	ACTIVE	Mouse	Mickey	mickeymouse.mil@mail.mil	Registered		
	ACTIVE	Test	User	test@ARMY.MIL	Registered		
	ACTIVE	Ready	You	You.Ready.mil@mail.mil	Registered	Nurse	



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N							50	- GYN. Plastics. and Me	WMSNI	Week Pekedala				
ntle		Skill		Mon. Mar-30	Tue. Mar-31	Wed. Apr-01	Thu. Apr-02	Fri. Apr-03	Sat. Apr-04	Sun. Apr-05	Mon. Apr-06	Tue. Apr-07	Wed. Apr-08	Thu. Apr-G
	Korapati, Rosalia	RN	84 19:00 - 07:00 (RT)	19:00 - 07:00 (PREC)				19:00 - 07:00 (RT)	19:00 - 07:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	
	Duru, Mary	RN	80	67:00 - 19:00 (RT)	07:00 - 15:00 (RT)				07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (RT)	07:00 - 19:00 (RT
Mrs.	Turay, Mariatu	NA.	80 19:00 - 07:00 (RT)			15:00 - 07:00 (RT)	19:00 - 07:00 (RT)	•			19:00 - 07:00 (RT)	19:00 - 07:00 (RT)		
Mrs.	Philippe, Denise	RN	80		19:00 - 03:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)				15:00 - 07:00 (RT)	19:00 - 07:00 (RT)		
	Chukwudozi	e, LPN	80	19:00 - 07:00 (RT)	23:00 - 07:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (RT
	Christopher Sokoya,	LPN	12 07:00 - 19:00 (RT)											
	Adejumoke			67:00 - 19:00 (RT)	07:00 - 19:00 (RT)	11:00 - 19:00 (RT)	00:00 - 08:00 (RT)	_			07:00 - 19:00 (RT)	11:00 - 19:00 (RT)	_	
MS.	Matsaray, Amina	LPN	72	67:00 - 19:00 (RT)	07:00 - 19:00 (RT)	11:00 - 19:00 (RT)						11:00 - 19:00 (RT)		67:00 - 19:00 (R)
Mrs.	Lyttle, Yvonne	RN	60				07:00 - 19:00 (RT)	•	07:00 - 19:00 (RT)		07:00 - 19:00 (RT)			07:00 - 19:00 (R)
	Judith													
Ms.	Tunde- Sanya, Ogo	RN	72 19:00 - 07:00 (RT)				19:00 - 07:00 (RT)	19:00 - 07:00 (RT)		19:00 - 07:00 (RT)				19:00 - 07:00 (R)
	Sahle, Rach		60				07:00 - 19:00 (PREC)	67:00 - 19:00 (RT)					67:00 - 19:00 (RT)	07:00 - 19:00 (R)
	Okarazu, Okon	UPN	44		19:00 - 07:00 (RT)			19:00 - 07:00 (RT)				19:00 - 03:00 (RT)		
	Lewis, Wanda	CLK	80	15:00 - 23:00 (RT)	15:00 - 23:00 (RT)	15:00 - 23:00 (RT)	15:00 - 23:00 (RT)	15:00 - 23:00 (RT)			15:00 - 23:00 (RT)	15:00 - 23:00 (RT)	15:00 - 23:00 (RT)	15:00 - 23:00 (R
	Sanchez,	RN	48	07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (RT)				07:00 - 19:00 (RT)		
Mrs.	Lashawn Rawlings,	СІК	64	07:00 - 15:00 (RT)	07:00 - 15:00 (SK)	07:00 - 15:00 (SK)	07:00 - 15:00 (RT)	07:00 - 15:00 (RT)			07:00 - 15:00 (RT)	07:00 - 15:00 (RT)	07:00 - 15:00 (RT)	07:00 - 15:00 (R)
	Larre													
2LT	Beany Krisrina	RN	60					07:00 - 19:00 (RT)	07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (RT)	07:00 - 19:00 (R7
Ms.	Aparente, Catherine	RN	80 07:00 - 19:00 (NTPR)			07:00 - 19:00 (RT)	07:00 - 19:00 (RT)				07:00 - 19:00 (RT)	07:00 - 19:00 (RT)		
Ms.	Freeman,	RN	60 19:00 - 07:00 (RT)				19:00 - 07:00 (RT)	19:00 - 07:00 (RT)			15:00 - 07:00 (RT)	19:00 - 07:00 (RT)		
21.T	Veronica Hutchinson,	RN	36 19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	_			19:00 - 07:00 (RT)						
	Karona Amold, Dan		80		11:00 - 19:00 (RT)	07:00 - 19:00 (NTPR)	07:00 - 19:00 (NTPR)	_			07:00 - 19:00 (RT)	07:00 - 19:00 (RT)		
	Tilt, Derek	NA.	12 07:00 - 19:00 (RT)		11:00 - 19:00 (RT)	07:00 - 19:00 (NTPR)	67560 - 19506 (N198)	•			07:00 - 19:00 (kt)	67500 - 19500 (kii)	•	
	Zou, Bingbir		84 07:00 - 19:00 (NTPR)			07:00 - 19:00 (NTPR)	07:00 - 19:00 (NTPR)			07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (R
ILT	Keeling, Corey	RN	84 07:00 - 19:00 (RT)					07:00 - 19:00 (RT)	07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (RT)	07:00 - 19:00 (R)
₩2	Zablosky, Faith	NA	84	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	-		19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (R
Ms.	Bartolo,	NA.	12	67:00 - 19:00 (RT)										
46	Anghelly Galega, One	I RN	60	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)							19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (R)
NS.	Hansen,	RN	84 19:00 - 07:00 (RT)			15:00 - 07:00 (RT)	•		19:00 - 07:00 (RT)	19:00 - 07:00 (RT)				19:00 - 07:00 (R)
	Breann Hampton,	RN	36			07:00 - 19:00 (PREC)	07:00 - 19:00 (PREC)							07:00 - 19:00 (R)
	Valerie Headley,	RN	80	07:00 - 19:00 (RT)	07:00 - 19:00 (RT)				07:00 - 19:00 (RT)	07:00 - 19:00 (RT)			07:00 - 19:00 (RT)	07:00 - 15:00 (R
чD.	Soshannie	PUX.	80	67100 - 19500 (KT)	07:00 - 19:00 (KT)				67100 - 19300 (KT)	07:00 - 19:00 (KT)				67109 - 15380 (K
3NS	Perrizo, Audra	RN	81		19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)				19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	19:00 - 07:00 (RT)	
4 5.	White, Dausha	RN	80		19:00 - 07:00 (RT)	19:00 - 03:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (RT)			19:00 - 07:00 (RT)	19:00 - 07:00 (R1
	Dausha 2020 at 11:	01:58.4	M CDT										page	





ass	Р	Passing Criteria	Comments
		Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened. View/Print Schedule Report has returned to function. The additions of preventing same and partial shift overlaps is functioning as expected. And the schedule update to remove personnel from the schedule when no longer active now functions correctly. The Print/View schedule Roll-up numbers and the employee list in the Print/View All Schedule are functioning correctly (see live ward example).
1	2	The user must login to the WMSNi user system	n using their CAC card.
2	2	Once logged into the WMSNi system the user r	must navigate to the Patient Services Tab.
3	2	From the submenu select the Shift Manager.	
4	2	The following is the expected screen view:	



- 15:00		12 Hour Shi Shift 4: 07:0	0 - 19:00
	1-2 of 2 End Time	Э	Remarks
11:00	19:00		
11:00	23:00		
	Begin Time 11:00	Is 15.00 0 - 0 - 23:00 0 - 07:00 1-2 of 2 Begin Time End Time 11:00 19:00	Is 12 Hour Shi 10 - 15:00 Shift 4: 07:0 0 - 23:00 Shift 5: 19:0 0 - 07:00 1-2 of 2 Begin Time End Time 11:00 19:00

Insert a screenshot of your results here: The Shift Manager should show the Start of the Day 0700, without the ability to change it. It should also show the Standard Shifts for any selected individual ward.



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ass	Р	Passing Criteria	Comments
	V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
5	2	The user must login to the WMSNi user system	using their CAC card.
6	2	Once logged into the WMSNi system the user n	nust navigate to the Patient Services Tab.
7	2	From the submenu select the IRR Manager.	



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...making data meaningful

IRR Manager strate Page: Page: <th></th> <th></th> <th></th> <th>#</th>				#
Bit Technologies, Cop, Development Server () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Services) ISR Manager Image: Service () MUMIN Protect Se	A CONTRACTOR OF			
With Calculation Image: Ca				
Participandi Partici		/ / •	Start Inter-Rater Reliability Testing	
Work Note of the set of t	IPP Managor		Experienced Classifiers	
AMON Operation Rever Bonds Wood West Addes Ref 4 1.4 d Ref 4 1.4 d Ref 4	ver 2.4.7.0 R4 User: J.j. Cournoyer 2019-Dec-18 13:25:16 UTC-6 2019-Dec-	💽 📕 🕑 🛅 🗙 🧕 🚱 (1 Search:	First Name Last Name Organization Kavin McDonald RHC Atlantic	MSIP5 2019-1 MSIP11 2019-1
APRIOL Attalie FRIE Catalie FRIE Catalie FRIE Catalie FRIE Catalie FRIE Catalie FRIE Catalie FRIE Catalie Switzer FRIE Catalie APRAME FRIE Catalie Opposite Raph for catalie Opposite Raph for catalie MSX X87 fried frame FRIE Catalie	Selected: Test Med/Surg Ward	Test Med/Surg Ward. Inter-Rater Classifications (1) 1.1 of 0 (1)	Bonnika Wilson RHC Atlantic Anjeta Atkins Damail Intensive Care Unit Ward ICU	(R R 1-3 of 3
APY Mole Sonkar Sonka	RHC Atlantic RHC Central RHC Europe RHC Pacific Zzz Inactive	Type Status End		
Papeler P				
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MSX1 /07 / Moles Draws 000 007 Neuroscular Draws (Including	Ourselow Ready for new TEST MS Outpatient IRR		Total: 019 Neuroinniai Charks X1	
Charlotaterkip	best			
			Ortical Indicator Help	
			^	

Insert a screenshot of your results here: The 3 patients the user classified in the Classification Manager should appear in the Patient Sample list.

ARMY MEDICINE																
Patient Ser	rvices Reporting HE	LP Case Ma	nagement			-										
DHA Enterprise	e Server > WMSNi > Patient Se	nvices / IRR Ma	inager													
ŕ	IRR Manager wr 2.4.7.0.R4 User: Linda W Fisher 2020-Apr-08 18:20:40 Test		°	rganization: Test Med Patient: (Terre sel 3 X 2	ected]	CI Se	Start Inter-Rater Ra	lability Testing								
		A new inp Test Med	etient IRR testing pr Surpe Ward.	sup can be created f	or		Experienced Cla					Patient Sample				
	ization Drowner		r Classifications				Classifier Search	^h Fisher				Patient Mary Tan		Completi 2020-04		
Selected Test	Med Surge Ward DM		۲	1-1 of 0	(b) (1)	•	First Name	Last Name	Organization			Knope, Lesle		2020-04-		
NCF RHC		Type		Status	End		Justin Linda W	Fisher	RHC Atlantic United States Army N			Cow, Mad		2020-04		
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ass	Р	Passing Criteria	Comments						
	V	Module opened as intended and appears to be properly functioning.	The expected screens were displayed when the module opened and throughout each portion of the IRR test.						
9	2	The user must login to the WM	SNi user system using their CAC card.						
0	3	Once logged into the WMSNi s	Once logged into the WMSNi system the user must navigate to the Patient Services Tab.						
1	3	From the submenu select the Ro	From the submenu select the Role Authorization Manager.						
2	3	The following is the expected seensure function.	creen view: Type a name into the Search Filter and select from the list to						



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nager				
ver Us	le Authoriza 2.2.0.1 R1 er: Dr. Linda Fi: 16-Nov-01 10:4			Selected Employee Roles
20	10-1409-01 10.4	1.30 PD1		Organization
Employe	e Search			United States Army Medical Command
		Search Filter: Fi		United States Army Medical Command
1-10	of 20 🕐 🥗	Search Filter: Fi	sher	United States Army Medical Command
IS	Last	First	Organization	Ireland Army Community Hospital
TIVE	Name Fisher	Name Dr. Linda	RHC Atlantic	Ireland Army Community Hospital
IVE	Fisher	Linda	Madigan Army Medical Center	
TIVE	Fisher	Deborah	Basset MATERNAL NEWBORN UNIT	
RANSIT	Fisher	Gayle	Landstuhl PEDIATRIC WARD	
TIVE	Fisher	Angelia	Martin INTENSIVE CARE UNIT	
TIVE	Fisher	Christine	Madigan NEONATAL INTENSIVE CARE	Role Definition
TIVE	Fisher	Rose A.	Madigan 2S	Role:
RANSIT	Fisher	Vanessa	Moncrief Post Anesthesia Care Unit	
RANSIT	Fisher	Garrett	Martin INTENSIVE CARE UNIT	
		Karen	Evans LABOR & DELIVERY	

Insert a screenshot of your results here:

V Elit Controls apporting IEEP Case Management Mice Role Manager of 84 Case Management ada Wi Bairs Selected Employee Reles United States Army Medical Command Role United States Army Medical Command Role United States Army Medical Command Brainlack Administrater Fiber Bisologial Volt Bisologial Volt	
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Faber Dawn FBCH 75 Revisional Transmitt Center Faber Robert Basset Mudda Sungical Unit Faber Robert Madgan 7 Kom 5 sarjacit Ward Faber Tandye Einsteuwer Interstwe Care Unit Faber Tandye Einsteuwer Interstwe Care Unit Faber SIGU (Jord Feor) - Sargical ICU Faber Benfellow Faber Vin Work Predetict (JCU Faber Definition Faber Hin SIGU (Jord Feor) - Sargical ICU Faber Definition	
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ass	P Passing Criteria	Comments						
	✓ Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.						
3	3 The user must login to the WM	SNi user system using their CAC card.						
4	3 Once logged into the WMSNi s	ystem the user must navigate to the Patient Services Tab.						
5	3 From the submenu select the A	From the submenu select the Authentication Manager.						
6	The following is the expected s ensure function.	creen view: Type a name into the Search Filter and select from the list to						



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VMSNi Employee	e Search			CAC Credential	
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Status	Last Name	First Name	Organization	Employee:	Dr. Linda Fisher
ACTIVE	Fisher	Dr. Linda	RHC Atlantic	E-Mail Address:	brandon.vanvaerenbergh@mail.m
ACTIVE	Fisher	Linda	Madigan Army Medical Center	CAC ID:	CN=VAN
ACTIVE	Fisher	Deborah	Basset MATERNAL NEWBORN UNIT		VAERENBERGH.BRANDON.J.14
INTRANSIT	Fisher	Gayle	Landstuhl PEDIATRIC WARD		8, OU=CONTRACTOR, OU=PKI, OU=DoD, O=U.S. Government, C
ACTIVE	Fisher	Angelia	Martin INTENSIVE CARE UNIT		00-D0D, 0-0.3. Government, 0
ACTIVE	Fisher	Christine	Madigan NEONATAL INTENSIVE CARE UNIT		
ACTIVE	Fisher	Rose A.	Madigan 2S		
INTRANSIT	Fisher	Vanessa	Moncrief Post Anesthesia Care Unit		
INTRANSIT	Fisher	Garrett	Martin INTENSIVE CARE UNIT		
ACTIVE	Fisher	Karen	Evans LABOR & DELIVERY		

Insert a screenshot of your results here:

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Patient Services	Reporting	HELP Ca	se Management						
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Status	Last Name	First Name	Organization	Employee:	Linda W Fisher				
INTRANSIT	Fisher	Gianina	Landstuhl MICU/CC/SICU	E-Mail	linda.w.fisher.ctr@r	nail mil			
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INTRANSIT	Fisher	Rose	Madigan 7 North Surgical Ward		31. OU=CONTRAC	TOR. OU=PKI	<u> </u>		
INTRANSIT	Fisher	Trudylee	Eisenhower Intensive Care Unit		OU=DoD, O=U.S. 0	Government, C	=US 🧹		
ACTIVE	Fisher	Jarvis	SICU (3rd Floor) - Surgical ICU						
INTRANSIT	Fisher	Hn	SICU (3rd Floor) - Surgical ICU						
INTRANSIT	Fisher	Keely	Brooke 5NW Pediatric ICU						
INTRANSIT	Fisher	Hn	SICU (3rd Floor) - Surgical ICU						
ACTIVE	Fisher	Linda W	United States Army Medical Command						

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Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.

Delivery	
Assessment:	
PASS	

All modules performed as expected.





2.3 Reports Critical Paths Test Plan

The Reports Modules are where all WMSNi reports and data outputs are performed. These modules must function as expected for the purpose of data integrity and reliability. The following Test are meant to test operability for high level quick functions testing. These tests do not test data accuracy. More detailed testing is required to test the data input and output validation.

The test steps will return a WMSNi screen for each test. Screenshots of correctly working modules are provided for comparison. Please note any portions of the screens that do not populate or any unexpected returned errors or other malfunctions.



Functional Testing

Step	Description	: Reports Critical	Paths Test Plan							
1	Th	e user must login to	the WMSNi user system	m using their CAC card.						
2	On	Once logged into the WMSNi system the user must navigate to the Reports Tab.								
3	Fre	From the submenu select the Analytic Reporting / Capacity Cube.								
	The following is the expected screen view:									
	BIF Technologies, Corp. Development Server WMSNi Reporting Analytic Reporting Capacity Cu									
	Capacity Cube									
	WMSNi Capacity Cube									
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WMSNi Capacity Cube								
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	Time							
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Organization	Measures Tot Hours Required	Days with Data	Avg Daily Hours Required	ed				
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Pass	Passing Criteria	Comments
V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
5	The user must login to the WMSNi user system using their CAC card.	
6	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
7	From the submenu select the Analytic Reporting / Critical Indicator Usage C	Cube.

The following is the expected screen view:

BIF Technologies, Corp. Deve	elopment Server WM	MSNi Reporting	Analytic Reporting	Critical Indicator Usage Cube
Critical Indicator Usage Cu	ıbe			
Critical Indicator Usa	ge Cube			
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	-All Critical Indicators +ADL +CONTINUOUS +EM SUPPORT +FEEDING +IN PATIENT +INTERVENTION +IV THERAPY +MONITORING +NORUNIT STAFF	Measures § Tot Occurances \$4755317. \$103224. 128597. 2120031. \$18106. 7050803. 1433884. \$5101749. 7257447. 81492.		
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	-All Critical Indicators +ADL +CONTINUOUS +EM SUPPORT +FEEDING +IN PATIENT +INTIERVENTION +IV THERVENTION +IV THERVENTION +WONITORING +MONITORING +MONITORING +MORTORING +MORTORING +MORTORING	Measures • Tot Occurances 54755317. 5103224. 128997. 2120031. 518106. 7050803. 1433844. 5101749. 7257447. 81492. 270124. 2409097.		
	- All Critical Indicators + ADL + CONTINUOUS + CONTINUOUS + EM SUPPORT + TRAVENTION + IN PATIENT + IN PATIENT + NORINITI STAFF + OUT PATIENT + RESPIRATORY + TEACHING	Measures • Tot Occurances 54753317. 5103224. 128597. 72120031. 518106. 7650803. 1433884. 5101749. 7257447. 81492. 276124. 2409097. 2348440.		

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Pas s	Passing Criteria Comments
V	Module opened as intended and appears to be properly functioning. The expected screen was displayed when the module opened.
9	The user must login to the WMSNi user system using their CAC card.
10	Once logged into the WMSNi system the user must navigate to the Reports Tab.
11	From the submenu select the Analytic Reporting / Patient Cube.
	The following is the expected screen view: The following is the expected screen view: The following is the expected screen view: Preset Cate Preset Cate Preset Cate Preset Cate
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Pas s	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
13	The user must login to the WMSNi user system using their CAC card.	
14	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
15	From the submenu select the Strategic Reports / WMSN Section Monthly R	eport.

The following is the expected screen view: Select a Section and date and the report should populate.





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WMSN Section Monthly Re - 🗎 🖒 Search. 🔒 Go to 🔻 👘 ۵ ۱ 4 Reporting HELP BIRT Report Viewer 4| 4 🕨 🕪 Go to WMSNi Section Monthly Report W NCH by Acuity by Section Patients by Acuity by Sec atients ¥ 12 IV NAC V Acuity Category IV NAC V Acuity Category WMSN Required vs Scheduled FT FTR Comparison by Section 8H 2 FTRs Borrowed Regular **i** 🥭 🐁 🖻 o 🔊 1 x]] w 5 **ا ا**

Pas s	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
17	The user must login to the WMSNi user system using their CAC card.	
18	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
19	From the submenu select the Strategic Reports / WMSNi Summary Report b	by Facility.

The following is the expected screen view: Select an MTF and date the report should populate.





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	Patients		

Pas s	Passing Criteria	Comments				
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.				
21	Once logged into the WMSNi system the user must navigate to the Reports	Once logged into the WMSNi system the user must navigate to the Reports Tab.				
22	From the submenu select the Strategic Reports / Manpower Staffing Standar	rds Report.				

The following is the expected screen view: Select an MTF and date the report should populate.





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Patient Services Reporting HELP DHA Enterprise Server VMSNi Reporting Strategies	Case Management		
See Web Content Display			
WHSNi Manpower Staffing Dashboar	rd Average Patient Counts Per Month	Average Patient Count by Acuity Code (MAY 2017)	
ver 1.7.0.7 R1 2020-Apr-06 18:15:41 UTC-4	MEDCOM For Official Use Only – Sensitive bot Unclassified 18		
Query Parameter Prompter		10	
WARD: Brooke 6E Medical Ward Month and Year:			
Acuity Code: Acute Care (III)			
Submit Reset		· · · · ·	
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Pas s	Passing Criteria	Comments			
Х	Module opened as intended and appears to be properly functioning.	The expected screen was not displayed when the module opened. Not reporting correct data.			
24	The user must login to the WMSNi user system using their CAC card.				
25	Once logged into the WMSNi system the user must navigate to the Reports Tab.				
26	From the submenu select the Strategic Reports / Inpatient Nursing Summary	v Report.			

BIF Technologies, Corp. Development Server > WMSNi > Reporting > Strategic Reporting > Inpatient Nursing Summary Report

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The following is the expected screen view: Select a unit and date the report should populate.

ent Nursing Summary Report Parameters MSNi Organization Browser					
lected: Madigan 7N GENERAL SURGERY	Showing page 1 of 1				√l √ ≯ I≯ Go to pag
Krio Europe RHC Pacific Bassett Army Community Hospital Madigan Army Medical Center	WMSNi Inpatient Nursing Sum	nary Report			
Madigan AC Section	Hospital S				
Madigan 5N PSYCHIATRY	Month of Report: JAN 2014				
Madigan 6N INTERNAL MED NEUROLOGY	Ward	Professional/Paraprofessional	Nursing Care Hours	FTRs	
Madigan 7N GENERAL SURGERY	Hospital 5 Unit B2				
Madigan WARD 6 SOUTH	Medical/Surgical Unit	Paraprofessional	4633	34.32	
Madigan CC Section		Professional	6949	51.47	
Madigan MCH Section		Totals for Unit B2:	11582	85.79	
Madigan Post Anesthesia Care		Totals for Hospital 5:	11582	85.79	
Unit	Fri, Apr 04, 2014 12:11	'For Offi	cial Use Only - Ser	sitive but Unclassified"	



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Pas s	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
28	The user must login to the WMSNi user system using their CAC card.	
29	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
30	From the submenu select the Strategic Reports / DCN Dashboard Export Re	eport.

The following is the expected screen view:

BIF Technologies, Corp. Development Server > WMSNi > Reporting > Strategic Reporting > DCN Dashboard Export Report

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	0005	202004	AEXD	Bassett Medical Surgical Unit	5.33	19	3.56	
	0005	202004 202002	ACKA ABKE	Bassett MATERNAL NEWBORN UNIT Evans 4 E/W Mixed Med/Surg/Peds Ward	31.33 366.33	100	3.19	
	0632	202002	ACKB	Evans LABOR & DELIVERY	2784	5679.33	2.04	
	0032	202002 202002	ACXC	Evans MOTHER/BABY WARD - 3E (MBU) Evans Inpatient Behavioral Health	426 273.67	1232.33 833.33	2.89 3.05	
	0032	202002	DJAA	Evans INTENSIVE CARE UNIT	2/5/0/	251	3.54	
	0032	202003	ABXE	Evans 4 E/W Mixed Med/Surg/Peds Ward	315	940.67	2.99	
	0032	202003 202003	ACXB ACXC	Evans LABOR & DELIVERY Evans MOTHER/BABY WARD - 3E (MEU)	2839.33 376	5789.67 975.67	2.04	
	0032	202003	AEXA	Evans Inpatient Behavioral Health	167.33	507	3.03	
	0032	202003	DJAA	Evans INTENSIVE CARE UNIT	58.67	224	3.82	
	0032	202004	ADXE	Evans 4 E/W Mixed Med/Surg/Peds Ward Evans LABOR & DELIVERY	25.67 441	77.33	3.01	
	0032	202004	ACXE	Evans LABOR & DELIVERY Evans MOTHER/BABY WARD - 3E (MBU)	441 52,67	155,67	2.96	
	0032	202004	AEXA	Evans Inpatient Behavioral Health	11.67	33.33	2.86	
	0032	202004	DJAA	Evans INTENSIVE CARE UNIT	5.67	23.67	4.18	
		202002	AAXE AAXH	Walter Reed MEDICINE WARD 75 Walter Reed CARDIOLOGY WARD 11	29	58	2	
			ABXA	Walter Reed STEPDOWN WARD 44	87	174	2	
	0037	202002		Walter Reed SURGICAL WARD 68	58	116	2	
	0037 0037 0037	202002	ABXK					
	0837 0837 0837 0837	202002 202002	AEXB	Walter Reed ORTHOPAEDICS WARD 57	174	348	2	
	0037 0037 0037	202002						

Pas s	Passing Criteria	Comments								
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.								
32	The user must login to the WMSNi user system using their CAC card.									
33	Once logged into the WMSNi system the user must navigate to the Reports Tab.									
34	From the submenu select the Strategic Reports / PBAM Report.									

The following is the expected screen view: Select 1st of the month date and the report should populate.

BIF iComponent				ompon	ent						
WMSN PBAM Report Para	meters		BID	T Bor	oort View						
Work Date:	2019-04-01										
			<u></u>	20 L	🛓 🕞 🚊	20					
		Show	ring pa	ge 1 of 4						📢 🖌 🕨 Go to pa	
			N	2				WMSNi PBAM Repo			
			cy	cm	dmis_id	meprs	ward_name	num_beds	total_patients	total_nch_month	wmsn_ward_
			2019		0067	ABXA	3C Telemetry and Cardiology	21	405.33	4,789	-3,1
			2019		0067	ABAA	3W Pediatrics	10	129	1,651	-3,1
			2019		0067	ABXA	4C - Ortho and General Surgery	23	486.33	4,770	-3,
			2019		0067	ABAA	4E - Ortho and General Surgery	16	368.33	4,067	-3,
			2019		0067	ABAA	4W - NeuroSurg, Transplant, and VIPs	22	459	5,889	-3,
			2019		0067	ABAA	SC - GYN, Plastics, and Med-Surg Overflow	21	453.33	5,155	-3,
			2019		0067	ABAA	5E - Internal Medicine	22	472.33	5,093	-3,
			2019		0067	ABAA	5W - Hematology/Oncology	16	338.67	4,393	-3,
			2019		0067	ABAA	7C and 7W Psychiatric	20	403.33	6,421	-3,
			2019		0067	ABAA	7E - TBI	6	112	1,257	-3,
			2019		0060	AFXA	BACH 4AA-Inpatient Behavioral Health	8	216	2,106	1,
			2019		0005	ACXA	Bassett MATERNAL NEWBORN UNIT	12	176	1,884	1
			2019		0005	ABND	Bassett Medical Surgical Unit	9	99.67	823	11
			2019		0064	ACXA	Bayne Jones MOTHER/BABY UNIT	14	95.67	811	14
			2019		0064	ABXE	Bayne Jones Mixed Medical Surgical Ward	6	54	566	1-
			2019		0108	ABXA	Beaumont 07E/SURGICAL WARD	22	432	4,767	2
			2019		0108	AFXA	Beaumont 11W PSYCHIATRIC WARD	16	205.67	2,729	2
			2019 2019		0108 0108	DJAA	Beaumont 4M/ICU Beaumont 4MB	13 27	140.67 457	2,487 3,565	20


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BAM Report - DHA Enterp × 📑										
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Patient Services Reporting HELP Case Man	agement									
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Composite Prompt Title Work Date: 2020-03-31	BIRT Re	and Min								
	BIRT Re									
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Showing p	ige 1 of	4					Go to page:		
ſ	W				WMSNI PBAM Repor					
	cy cm dr	mis id m	nenrs	ward name			total nch month	wmsn ward id internal		
2	2020 MAR	0057 /	ABXA	3C Telemetry and Cardiology	21	219	2,081	-3,109		
			ABAA	3W Pediatrics	10	138	1,348	-3,116		
			ABXA	4C - Ortho and General Surgery 4E - Ortho and General Surgery	18	390.67 333.67	3,188	-3,103 -3,104		
				4W - NeuroSurg, Transplant, and VIPs	22	313.67	3,489	-3,105		
2	2020 MAR	0057 A	ABAA SC	- GYN, Plastics, and Med-Surg Overflow	21	361.33	3,691	-3,106		
			ABAA	SE - Internal Medicine	22	282.33	2,694	-3,107		
			ABAA	5W - Hematology/Oncology 2C and 2W Pauloidain	16 20	188.33 259.67	2,174 3,501	-3,108 -3,102		
5			ABAA	7C and 7W Psychiatric 7E - TBI	20	259.67	3,501 1,374	-3,102 -3,101		
2	2020 MAR	0050 A	AFXA I	BACH 4AA-Inpatient Behavioral Health	8	151.33	1,188	1,172		
				Bassett MATERNAL NEWBORN UNIT	12	133	1,096	183		
			AE0D ACXA	Bassett Medical Surgical Unit Bayne Jones MOTHER/BABY UNIT	9	69.67 104.33	607 916	182 143		
				Bayne Jones MOTHER/BABY UNLT ayne Jones Mixed Medical Surgical Ward	6	104.33 59.33	916 410	143		
2	2020 MAR	0108 #	ABXA	Beaumont 07E/SURGICAL WARD	22	353.67	3,282	210		
2	2020 MAR			Beaumont 11W PSYCHIATRIC WARD	16	266.33	3,664	211		
			DJAA ACXC	Beaumont 4M/ICU Beaumont 4MB	13 27	175 272.67	2,798	209 212		
			AC/8	Beaumont Labor & Delivery	0	461	2,394	212 213		
2	2020 MAR	0108 4	AXAA	Beaumont Medical Ward	28	662.67	5,969	208		
			DJAA	Blanchfield Combined Icu	5	61	652	138		
			ABXE	Blanchfield Combined Med/Surg/Ped Blanchfield LABOR & DELIVERY	10	154.33 575.67	1,056 3,771	139		
			ACKS	Blanchfield LABOR & DELIVERY Blanchfield MOTHER BABY UNIT	24	575.67 497	3,771 3,518	136		
			ABXP	Brooke 2E Surgical Telemetry	19	399.33	4,908	159		
			DJBB	Brooke 2N Surgical ICU	8	179.33	3,267	158		
			DJBA	Brooke 25 Surgical Trauma ICU Brooke 2T Surgical ICU	10	197.67	4,032	155 670		
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Pas s	Passing Criteria	Comments								
V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.								
36	The user must login to the WMS	The user must login to the WMSNi user system using their CAC card.								
37	Once logged into the WMSNi sy	Once logged into the WMSNi system the user must navigate to the Reports Tab.								
38	From the submenu select the Tac	tical Reports / Workload Dashboard.								

The following is the expected screen view: Select a unit and the report should populate.



39





Pas s	Passing Criteria	Comments							
Х	Module opened as intended and appears to be properly functioning.	Does not retrieve data as expected.							
40	The user must login to the WMS	The user must login to the WMSNi user system using their CAC card.							
41	Once logged into the WMSNi system the user must navigate to the Reports Tab.								
42	From the submenu select the Tac	tical Reports / 24 Hour Report.							

The following is the expected screen view: Select a unit and date and the report should populate.



43



Insert a screenshot of your results here: Any ward that is not a WRNMMC ward



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INY MEDICINE						
Patient Services Reporting HELP	Case Management					
	tical Reporting 24 Hour Report					
WHISH Organization Encator Selected: Elanchfield Combined Med/Surg/Fed	BIRT Report Viewer					
Velected: Blanchfield Combined Med/Surg/Ped	🗟 🖻 🖨 🗭 📇 🔢					
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 RHC Atlantic RHC Central 						
RHC Europe	W	WMS			^	
RHC Pacific zzz Inactive	, v	24 Hour Blanchfield Army Co	Report ommunity Hospital			
 zzz Test 		Work Date: 2				
		Mon,Apr 06,				
	alter the later entered	Mon,Apr 06,2020 07:00 -		M. Contribution		
	Blanchfield Combined Med/Surg/Ped	Unit Type: Medical/Surgical	Maj. Patient Unit Type:	Medical/Surgicar		
	1100 gr	Ward Su	Immary			
lork Date: 2020-04-06	Volume	Critical Indicators of Interest	Command Interest Counts	Age/Length of Stay IN OUT		
	Census 0700	8 Restraints 0	a 1	Over 65 0		
	Carrent Census 10	0 Ventilated 0	SI 0	Pediatrics 0		
	Capacity 10 Outpatient		VSI 0 SC 0			
	Objects	PCA 1				
			On Pass/AS 0			
	Patient Turbulence	Day Shift Inpatient Outpatient	Evening Shift Inpatient Outpatient	Night Shift Inpatient Outpatient		
	Admission/Encounter	1 0	1 0	0 0		
	Transferred In	0 0				
	Transferred Out Discharged	0 0	0 0			
	Shift Start Census	8 0	9 0			
	Shift Start Capacity	10 N/A	10 N/A	10 N/A		
	Shift Start Vacant Beds	2 N/A	1 N/A			
	ADT Index Shift Start Occupied Pct.	12.50% 0.00% 80.00% N/A	11.11% 11.11% 90.00% N/A			
	Required vs S	cheduled FTEs	Required vs	Scheduled		

WRNMMC:

Comparison of the state of the	/wmsni/24-hour-report							- A C	Search		
24 Hour Report - DHA Ente × 📑											
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22											
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DHA Enterprise Server > WMSNi > Reporting > Tactical Re	porting 24 Hour Report										
Composite Prompt Title											
WMSNi Organization Econom Solected: SC - GYN, Plastics, and Med-Surg Overflow	BIRT Report Viewer							_			
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 Ft. Belvoir Community Hospital Walter Reed National Military Medical 											
Center	W		WMS	Ni				^			
RHC Adantic RHC Central	V V		24 Hour F								
 RHC Europe 		Walter N	Work Date: 2	litary Medical Ci 020-04-06	enter						
RHC Pacific			Mon,Apr 06,2								
zzz Inactive zzz Test		Mon,Apr 06		4on,Apr 06,2021	0 18:27						
P 112 100	5C - GYN, Plastics, and Med-	Init Type: Medica	/Surgical	Maj. Pat	ient Unit Type:	Medical/Surgical					
	Surg Overflow										
			Ward Sur	mmary							
Work Date: 2020-04-00	Volume	Oritical Indicators		Command Inte	erest Counts	Age/Length	of Stay				
							IN OUT				
	Census 0700 8 Current Census		0	CI SI	5	Over 65 Pediatrics	1				
	Capacity 21	Isolations	4	VSI	0	Over 30 Days	0 N/A				
	Outpatient		4	SC	0	Avg Stay(hours)	N/A				
		PCA	1	WTB On Pass/AS	0						
	Patient Turbulence	Day Shi	R	Evening							
		Inpatient	Outpatient	Inpatient	Outpatient	Inpatient	Outpatient				
	Admission/Encounter Transferred In	1	0	0	0						
	Transferred Out	0	0	0	0						
	Discharged	1	0	0	0						
	Shift Start Census Shift Start Capacity	8	0 N/A	9	0 N/A		N/A				
	Shift Start Vacant Beds	13	N/A	12	N/A		A/A				
	ADT Index	37.50%	0.00%	0.00%	0.00%						
	Shift Start Occupied Pct.	38.10%	N/A	42.86%	N/A		N/A				
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Pas s	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
44	The user must login to the WMSNi user system using their CAC card.	
45	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
46	From the submenu select the Tactical Reports / Patient Acuity File Listing.	
47	The following is the expected screen view: Select a unit and the report should	ld populate.



BIF Technologies, Corp. Development Server WMSNI Reporting	Tactical Reporting	Patient Ac	uity File Listing						
Patient Acuity File Listing	x BIF iCo	mponent							
Patent Acity / Fin Listing Parameters IMMOV Oparactical Bousser Selected Magazing N OERRA, SURGERY V MEDCOM P RHC Central P RHC Central P RHC Pacific B Stasset Army Community Hospital		Report Viev	12			WMSNi nt Acuity File Listing n Army Medical Cent		414 8	I≱ Go to page:
Madigan Army Medical Center Madigan AC Section Madigan 5N PSYCHIATRY Madigan 6N INTERNAL MED	Madig Acu Cate	ity Patient	L SURGERY 7N M/S Med Patient Name	Age	,	-Rater Reliability Length Of Stay Doctor		Date of Last Rating: Admission Diagnosis	
NEUROLOGY Madgan / NGHNERAL SURGERY Madgan WARD 6 SOUTH	I		Inpatient Second Inpatient, First Just, Today	000000380 000000379 000000412	т	ue, Oct 18, 2016 11:56 * ue, Oct 18, 2016 11:57 * ue, Oct 25, 2016 13:03 *	272 days 272 days 228 days		
			Let, John Light, Mark Test, Cancel Admission 2 Your, Matthew	000000403 000000405 000000388 000000404	T T T	ue, Oct 18, 2016 09:57 * ue, Oct 18, 2016 11:57 * ue, Oct 18, 2016 09:56 * ue, Oct 18, 2016 09:56 * ue, Oct 18, 2016 11:57 *	235 days 235 days		
	Tue, I	Nov 01, 2016 11	::48			ly - Sensitive but Un time zone of the ward bei			P

Insert a screenshot of your results here:

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BML Entropends Samer V VMLNU Reporting V Tackton Report Comment Samer Microsoft Application V Microsoft Application V Network V Image: Samer V Network V	Pro Patient Acuty File Listing	Patient Patient Registrar Ag Type Name Number M ⁽⁵ UURIAM, 709610 20 WARREN, 709612 25 XXXXXII	VI V P P Ge to page Inter-Rater Reliability 100 Date of Last Rating: Dec 04, 2019 e Date of Last Length Dector Addression Clashif-Charles Dispressive Comments Say Mar, Areg., 2 Ann MCORT EL 2020 Feb 1 Say Mar, Areg., 2 Ann MCORT EL 2020 Feb 1 En	
	VI Ture, Apr 87, 2020 09:32 Teo	M/S	Мир. Ари б. баул GOLOW P.R 2020 1959 Мир. Ари б. 27 Акуа GOLOW ARK 2020 1959 d. Page 1 of 1	n

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Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
48	The user must login to the WMSNi user system using their CAC card.	
49	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
50	From the submenu select the Tactical Reports / Ward Activity Report.	

The following is the expected screen view: Select a unit and the report should populate.



51



Insert a screenshot of your results here:

Ward Activity Report - DHA_ ×	msni/t_03_a_	p_wc									- (C	Search	
🔾 Add 🔻 🥜 Manage 🔻 🧭 Edit Controls														🕇 Go to 🔻
Patient Services Reporting HELP Case M DBL Categories Service W1033 (Reporting Tables)	lanagement ting) Ward /	Activity Report												•
Composite Prompt Title	-			_		_								
MMA/Generation Erroret Celented Erroret #V Oropode Wind ♥ MEDCOM ▶ HCR ▶ HCR ▶ 1976 Catentia		oort Viewer							414 9 19	Go to page:	E	3		
Bayne Jones Army Community Hospital Beaumont Army Medical Center Fooke Army Medical Center	W				Vard Ac	Med	Report lical Center							
 Brooke Critical Care Section Brooke ISB Section 	Brooke 4W	Orthopedic Ward 4W N	l/S Medical/Surgical			1	Inter-Rater Reliability	100%	b Date	e of Last Rating	FEB 20, 202	0		
Brooke Maternal-Child Section Brooke Medical Section	Status	Patient	Registrar Numbe	Ag			y Last Update	Doctor	Admission Diagnosis	Admission	Comments			
 Brooke Surgical Section Brooke 2E Surgical Telemetry 	Admission	ELDER, PATRICK	5400432	52	M/S	п	Apr 6, 2020	ALDERE		BI	a.			
Brooke 2W Surpery Ward Brooke 4W Otthopedic Ward		TOTAL Admission	1											
Brooke 7T Surgical Ward Brooke Post Anasthiala Caro Unit	Discharge	MARSHALL, JUSTIN	5400410	30	0 M/S	III Apr 6, 2020	Apr 6, 2020	LESPER			BMC			
Darnall Army Medical Center		TOTAL Discharge 1												
 Evans Army Community Hospital Invin Army Community Hospital 	Total Bro	oke 4W Orthopedic Wa	rd 2											
Locard Wood Amay Community Exposite Amay Community Wood Amay Community Insignat Wood Amay Community Insignat Wice Amay Community Insignat Wood Amay Community Insignat Wood Amay Community Insignat Wood Amay Community Insignation Wood Amay Community Insite Insignation Wood Amay Community Insignation Wood Amay	Mon Apr 06,	, 2020 17:34	'For Official	Use C	inly - Se	nsitiv	ve but Unda	ssified'		Р	age 1 of 1			
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Pass	Passing Criteria	Comments
V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
52	The user must login to the WMSNi user system using their CAC card.	
53	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
54	From the submenu select the Tactical Reports / Casualty Status Report.	

The following is the expected screen view: Select a unit and the report should populate.





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Casualty Status Report - DH ×	i£8443/web/wmsni/casua	ity-status-report							Ŧ	₽ ¢	Search	
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DHA Enterprise Server WMSNi Reportin	ELP Case Management	aity Status Report										G
Composite Prompt Title WMSNi Organization Browsar	erer e	port Viewer										
Selected: Brooks 25 Surgical Trauma ICU W MEDCOM NCR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	age 1 of 1					414 14	🖗 Go to page		•		
RHC Adantic RHC Adantic RHC Central Bayne Jones Army Community Hospital Beaumont Army Medical Center W throoke Army Medical Center	*	-		SI/VSI/C	MSNI I/SC Report Medical Center					_		
Erooke Critical Care Section	Brooke 25 Intensive	Surgical Trauma ICU 2S ICU			Inter-Rati Reliabilit			Date of last rating:	MAR, 03 2020			
Brooke 2N Surgical ICU Brooke 2S Surgical Trauma ICt	Ind	Patient	Status	Grade	Doctor	Admission			n Comments			
Brooke 2T Surgical ICU Brooke 3E Intermediate Care U Brooke 3S Coronary ICU Brooke 3T Medical ICU A	a ci	GAMARAHCHILAGE, GEMUNU HERNANDEZ, JUAN MARAGGIA, CHRIS	20 20 20	72 72 72	NESSEN LESPER LESPER			JRP DJR LKM				
Constant 71 Medical (C2) Forcida Million 1515 Section Forcida Millional CAIN Section Forcida Millional Anny Medical Center Forcida Millional Anny Community Inspatial Forcida Marcy Community Inspatial Forcida Marcy Community Inspatial Forcida Center Forcida Forcida Forcida	Mon, Apr i	TOTAL 3 CI ke 2S auma ICU 3		v - Sensitive Br					Page 1 of	1		

Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
56	The user must login to the WMSNi user system using their CAC card.	
57	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
58	From the submenu select the Tactical Reports / Unassessed Patient Report.	

The following is the expected screen view: Select a unit and the report should populate.

echnologies, Corp. Development Server > WMSNi > Reporting > Tactical Reporting > Unas	essed Patient Report
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Unassessed Patient Report	₽ - + ×	Unassessed Patient Report							
Unassessed Patient Report Parameters <i>WMSNi Organization Browser</i> Selecter: Masigan 7N CENERAL SURGERY		BIRT Report Viewer							
MEDCOM RHC Atlantic		Showing page 1 of 1						41.4	🛛 🕨 🎶 Go to page:
RHC Central RHC Europe RHC Pacific Bassett Army Community Hospital Madigan Army Medical Center		*				WMSN Unclassified Patie Madigan Army Me	ent Report		
Madigan Army Medical Center Madigan AC Section Madigan SN PSYCHIATRY		Madigan 7N GENERAL SURG	ERY 7N M/S I	Medical/S	Surgical		Inter-Rater Reliability	100%	Date of Last Ratin
Madigan 6N INTERNAL MED NEUROLOGY		Patient	Registrar Number	Age	Pat Type	Date of Last Classification	Last Update	Doctor	Admission Diagnosi
Madigan 7N GENERAL SURGERY		Let, John Your, Matthew	000000403		M/S M/S	NOT CLASSIFIED NOT CLASSIFIED	MAR 10, 2016 MAR 10, 2016		null / nu null / nu
Madigan WARD 6 SOUTH		Light, Mark Test, Cancel Admission 2	000000405 000000388		M/S M/S	NOT CLASSIFIED NOT CLASSIFIED	MAR 10, 2016 FEB 08, 2016		null / nu null / nu
		Inpatient, First Inpatient Second	000000379 000000380		M/S M/S	NOT CLASSIFIED NOT CLASSIFIED	FEB 05, 2016 OCT 18, 2016		null / nu null / nu
		Just, Today Total Madigan 7N GENERAL SURGERY	000000412	7	M/S	NOT CLASSIFIED	MAR 18, 2016		null / nul
		Tue, Nov 01, 2016 11:52			'For Offici	ial Use Only - Sensiti	ve but Unclassified'		



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ARMY MEDICINE										
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DHA Enterprise Server	WMSNi \rangle Reporting \rangle Tactical	Reporting $ ight angle$ Unassessed Pa	tient Repo	vrt						
Composite Prompt Title WHSN Organization Drowser										
Selected: 5C - GYN, Plastics, and	d Med-Surg Overflew	BIRT Report View								
MEDCOM			12							
 NCR Ft. Belvoir Com 	ementite Meanital	Showing page 1 of						414 0	🕨 🕪 Go to page: 🔛	
Walter Reed Na	tional Military Medical	<u> </u>								
Center		N				WMSNi				
WRNMMC A		V V				classified Patient R				
	o and General Surgery o and General Surgery				5C - GYN, F	Nastics, and Med-S	urg Overflow			
	roSurg, Transplant, and	5C - GYN, Plastics, an	d Med-Surr	1 Overflow AC	W4 M/S		Inter-Rater		Date of Last Rating: DEC, 17	
VIPs		Medical/Surgical		,			Reliability	83%	2019	
SC - GYN	, Plastics, and Med-Surg	Patient	Registrar	Encounter	Age Pat Type	e Date of Last	Last	Doctor	Admission Diagnosis/Comments	
SE - Inten	na/ Medicine		Number	Type		Classification	Update			
	sstology/Oncology	BLAIR, BENDAMIN	544451	INPATIENT	M/S	Apr, 05 2020	MAR 31, 2020	BARELS	null / LEWIS	
WRNMMC C		FREEMAN, MICHAEL	\$44515	INPATIENT	M/S	Apr, 05 2020	APR 04, 2020	LACKEY	nul / blowe	
	falemal / Child Health	NEKON, OWEN	544502	INPATIENT	M/S	Apr, 05 2020	APR 03, 2020	GRAY	nul / blowe	
 WRNMMC P WRNMMC P 		BASS, CHRISTOPHER DAVID, JAMES	544527 544539	NULL.	M/S M/S	UNASSESSED	APR 05, 2020 APR 05, 2020	GRAY	null / TRIGGS null / srs	
RHC Atlantic	a de la companya de la	LINVID, JAPIES	311333	NULL						
RHC Central		Total 5C - GYN, Plasti	s, and		Total Inpatien		3 Total Outpatient	c)	
RHC Europe		Med-Surg Overflow			mpauen	it.	outpatient			
 RHC Pacific zzz inactive 		Mon, Apr 06, 2020 18	38	'F	r Official Use	Only - Sensitive bu	it Unclassified'		Page 1 of 1	
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Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
60	The user must login to the WMSNi user system using their CAC card.	
61	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
62	From the submenu select the IRR / IRR Test Results.	

The following is the expected screen view: Select a unit and the report should populate.

R Test Results Parameters	≁ - + ×	BIF iComponent				
RR Test Results Parameters						
- WMSNi Organization Browser		BIRT Report Viewer				
Selected: Madigan 7N GENERAL SURGERY		📾 🗟 🕞 🏊 📇 🐲				
MEDCOM RHC Atlantic		Showing page 1 of 5			41 4 🕨 🕩 Go t	to page:
RHC Central						
RHC Europe			WM	CNI		
RHC Pacific		1	IRR Test			
Bassett Army Community Hospital			Madigan Army			
Madigan Army Medical Center				Irr Complete Da	te:	
Madigan AC Section		Madigan 7N GENERAL SURGERY 7N M/S M	iedical/Surgical	IRR Rater:		
Madigan 5N PSYCHIATRY Madigan 6N INTERNAL MED		Agrees: 3 Sample Size: 3 % Agreeme	nt: 100			
NEUROLOGY		Patient	Registrar Number	Original Category	IRR Category	
Madigan 7N GENERAL		Let, John	000000403	п	ш	
SURGERY		Your, Matthew	000000404	п	п	
Madigan WARD 6 SOUTH		Light, Mark	000000405	п	Ш	
					Agrees:	
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Test1 Test Labor and Delivery Ward	Agrees: 3 Sample Size: 4 % Agreement: 75					
Test Med Surge Word	Patient Snuffy, Joe	Registrar Number 000043707	Original Category	IRR Category		
Test Post Anesthesia Care Unit-Test Change	Covy, Mad	000052465		I		
Train/Test Walter Reed NMMC	Mary Tan	000052468	1	I	_	
	Knope, Leslie	vov233036		Agrees:		
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Pass	Passing Criteria	Comments
Z	Module opened as intended and appears to be properly functioning.	The Inpatient IRR results ran but seems a little slow (based on patients in IRR Module Test). The expected screen was displayed when the Outpatient report was opened (lack of Outpatient data).
64	The user must login to the WMSNi user system using their CAC card.	
65	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
66	From the submenu select the IRR / Inter-Rater Reliability Dashboard.	



The following is the expected screen view:



67



Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
68	The user must login to the WMS	Ni user system using their CAC card.
69	Once logged into the WMSNi sy	stem the user must navigate to the Reports Tab.
70	From the submenu select the IRI	R / IRR Command Status Report.
71	The following is the expected sc	reen view: Select a unit, section, or MTF and the report should populate.



Report Parameters	≁ - + ×	BIF iComponent				
Report Parameters 4M5M/ Organization Brokesr velected: Modigan Zmm/ Medical Center ▼ MEDCOM ▶ RHC Atlantic		BIRT Report Viewer				√i√ ⊮ ⊮ Go to pa
RHC Central RHC Europe RHC Padfic Bassett Army Community Hospital		Madigan Army Medical Center		IRR (WMSNi Command Status Report	
Madigan Army Medical Center Madigan AC Section		Ward	IRR Score	IRR Date	IRR Rater	
 Madigan AC Section Madigan CC Section 		Madigan Post Anesthesia Care Unit	No IRR on File			
 Madigan CC Section Madigan MCH Section 		Madigan 7N GENERAL SURGERY	100.00%	MAR, 10 2016	Fisher, Linda	
Madigan MCH Section Madigan Post Anesthesia Care		Madigan 6N INTERNAL MED NEUROLOGY	No IRR on File			
Unit		Madigan WARD 6 SOUTH	No IRR on File			
Seoul 121st CSH		Madigan 5N PSYCHIATRY	66.67%	OCT, 20 2016	Fisher, Dr. Linda	
Tripler Army Medical Center		Madigan SPECIAL CARE UNIT	No IRR on File			
		Madigan INTENSIVE CARE UNIT WEST	No IRR on File			
		Madigan 2S	No IRR on File			
		Madigan INTENSIVE CARE UNIT EAST	No IRR on File			
		Madigan LABOR & DELIVERY	No IRR on File			
		Madigan 3S MOTHER BABY UNIT	No IRR on File			
		Madigan 4N PEDIATRICS	No IRR on File			
		Madigan NEONATAL INTENSIVE CARE UNIT	No IRR on File			
		Madigan INTERMEDIATE CARE UNIT	No IRR on File			

Insert a screenshot of your results here:

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 RHC Europe RHC Pacific 	Ward	IRR Test Type	IRR Score	IRR Date	IRR Rater		
 RHC Pacitic zzz inactive 	3C Telemetry and Cardiology	Inpatient	100.00%	NOV 2019	Volt, Jennifer		
 ZZZ Instance ZZZ Test 	MICU (4th Floor) Medical ICU	Inpatient	83.33%	MAR 2020	Boone, Marie		
P 112 IVM	PICU Pediatric ICU	Inpatient	100.00%	MAR 2020	Petit, Maribeth		
	SICU (3rd Floor) - Surgical ICU	Inpatient	66.67%	APR 2020	Foo, Margaret		
	4C - Ortho and General Surgery	Inpatient	83.33% 83.33%	MAR 2020	Patterson, Amarilys		
	4E - Ortho and General Surgery 4W - NeuroSurg, Transplant, and VIPs	Inpatient		FEB 2020	Patterson, Amarilys Patterson, Amarilys		
	SC - GYR, Plastics, and Med-Surg Overflow	Inpatient Inpatient	100.00% 83.33%	MAR 2020 DEC 2019	Labbe, Daphnee		
	SE - Internal Medicine	Inpatient	50.00%	MAR 2020	Hutchinson, Karona		
	SW - Hematology/Oncology	Inpatient	100.00%	MAR 2020	Zedick, Mara		
	NECU Neonatal ICU	Inpatient	60.00%	MAR 2020	Sundy, Rachel		
	MICC Maternal Care (OB/GYN)	Inpatient	100.00%	MAR 2020	Ibiebele, Christiana		
	Ambulatory Procedures Unit		No IRR on File				
	Post Anesthesia Care Unit		No IRR on File				
	3W Pediatrics 7C and 7W Psychiatric	Inpatient	75.00%	MAR 2020	Vasquez-Robles, Jennifer		
	7C and 7W Psychiatric 7E - TBI	Inpatient Inpatient	100.00%	MAR 2020 JUL 2019	Siebu-Baker, Roswitha Tulanowski, Debra		
	76 ° 101						
	Mon, Apr 06, 2020 18:41	'For 4	Official Use Only-: Dates reflect the time	sensitive but U	Jaclassmed		
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V	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.								
72	The user must login to the WMS	Ni user system using their CAC card.								
73	Once logged into the WMSNi system the user must navigate to the Reports Tab.									
74	From the submenu select the Cla	From the submenu select the Classification / Individual Patient Acuity Classification.								

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WMSNI Patient Browser-		-	Madigan 7N GENE	RAL SURGERY 7N	V M/S Med	lical/Surgical				
(e) (e)	1-7 of 7 🕑 🕨	8	Patient: Inpatient, First NOV 01 2016							
Name	Registrar #	▼ Status	General/Psychiat	Category	Code	Name	Frequency	Quantity	DCH	NC
Let, John	000000403	In progress (Unclassified)	GENERAL				riequeney	quartery		
Test, Cancel Admission 2	000000388	Ready (Unclassified)	~	-	14	Care - age 6 or more - Self/Minimal		1	0.25	0.4
		Ready	IV	THERAPY						
Your, Matthew	000000404	(Unclassified)			26	Change IV Bag and/or Tubing Including Infusion		1	0.08	0.1
inpatient Second	000000380	Ready (Unclassified)				Pump (each)				
		(Unclassified) Ready	100	TAL SIGNS	28	IV Medication X1 (IVP and IVPB)	X1	6	0.75	1.2
ght, Mark	000000405	(Unclassified)	VI	AL SIGNS	1	Vital Signs X1	X1	3	0.21	0.3
Just, Today	000000412	Ready (Unclassified)				The angles AL	~*	Totals:	1.29	2.1
		Ready (0 hours					Aci	ity Category:	I	2.14
Inpatient, First	000000379	old)				'For Official Use Only - Sensi				
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Pass	Passing Criteria	Comments						
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.						
76	The user must login to the WMS	The user must login to the WMSNi user system using their CAC card.						
77	Once logged into the WMSNi system the user must navigate to the Reports Tab.							
78	From the submenu select the C	lassification / LAD Inpatient Classification Report.						

The following is the expected screen view: Select an L&D unit and a patient and the report should

populate.

Inpatient Classification Report Para	meters	₽ - + ×	BIF iComponent						
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OBERG-HANSON, JAIME		0048.8CBA.000387								
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Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened. A Labor & Delivery patient is only visible if there is a remaining unclassified journal day. Working to change the Patient Browser to show all active patients. Works but patient is not visible if all Journals are classified. It is unclear if the patients have been classified.
80	The user must login to the WMSNi user system using their CAC card.	
81	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
82	From the submenu select the Schedule / Single Day Schedule.	

The following is the expected screen view: Select a unit and a date and the report should populate.

ngle Day Schedule Parameters	₽ - + ×	BIF iComponent					
Single Day Schedule Parameters							
- WMSNi Organization Browser		BIRT Report Viewer					
Selected: Madigan 7N GENERAL SURGERY		🐋 🚳 🛋 🎭 🔜 🧝					
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Bassett Army Community Hospital Madigan Army Medical Center		Madigan 7N GENERAL SURG	RV				
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Madigan 6N INTERNAL MED		01.00 - 09.00	RN	Mr. Wantland, Jay			
NEUROLOGY			RN	CPT Hammock, Amy			
Madigan 7N GENERAL		09:00 - 17:00		or thannoody rang			
SURĞERY		07100 17100	RN	Mrs. Rivera, Evelyn			
Madigan WARD 6 SOUTH			RN	2LT Johnson, Robert			
		17:00 - 01:00					
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			RN	Mrs. Wu, Maria			
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Walter Reed National Military Medical Center WRNMMC Adult Acute Care 4C - Ortho and General Surgery 4E - Ortho and General Surgery			ed-Surg Overflow					
4W - NeuroSung, Transplant, and VIPs	Scheduled Date:		April 06, 2020					
5C - GYN, Plastics, and Med-Surg	Scheduled Time 06:45 - 17:30	Skall	Name	Available/Unavailable	e Exception Code			
Overflow 5E - Internal Medicine	00743 - 17530	RN	Ms. Madison, Tiffany	Other Work	ORNT			
52 - Mernar Medicine 5W - Hematology/Oncology		RN	Ms, Timmerman, Kristine	Other Work	ORNT			
WRNMMC Critical Care	07:00 - 15:00							
WRNMMC Maternal / Child Health		RN	1LT Van, Lan	Other Work	LADM			
Verk Date: WRITENTIC Post Anesthesia		CLK.	Mrs. Rawlings, Larre	Unavailable	SK			
 WRNMMC Psychiatric 	07:00 - 19:00							
 RHC Atlantic 		RN RN	2LT Zou, Bingbing	Available	NTPR			
RHC Central RHC Europe		RN	21.T Arnold, Dena Ms. Deng, Afusat	Available Available	NTPR PREC			
 RHC Pacific 		LEN	Mrs. Sokoya, Adejumoke	Available	PREC			
 zzz inactive 		RN	Mrs. Lyttle, Yvanne Judith	Available	RT			
zzz Test		RN	Ms. Aparente, Catherine	Available	RT			
		LFN	Hs. Mansaray, Amina	Available	RT			
		NA	HA Blevins, Connor	Available	RT			
		NA	CPI. Tilt, Derek	Available	RT			
		RN	2LT Gurung, Asmita	Other Work	NTP			
	11:00 - 17:00	RN	21.T Matas, Christian	Other Work	NTP			
		RN	Mrs. Johnson, Tamika	Other Work	LADM			
	15:00 - 23:00	ак	Ms, Lewis, Wanda	Available	RT			

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Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	The expected screen was displayed when the module opened.
84	The user must login to the WMSNi user system using their CAC card.	
85	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
86	From the submenu select the PAC Reports / PACS Daily Report.	

The following is the expected screen view: Select a PACS unit and a date and the report should populate.



Insert a screenshot of your results here: Report no longer used. Not Tested.

Pass	Passing Criteria	Comments
	Module opened as intended and appears to be properly functioning.	This report is no longer used.
88	The user must login to the WMSNi user system using their CAC card.	
89	Once logged into the WMSNi system the user must navigate to the Reports	Tab.
90	From the submenu select the Other Reports / Scheduling Time Exceptions.	

87



The following is the expected screen view:

F Technolog	gies, Corp. Development Server	WMSNI > Repo	rting Other Re	ports Scher	duling Time	Exception	15	
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N			Scho	WMS duling Time E		anort		
Code	Name	Readiness					Description	
ategory: OT								
PT	Physical Training	Y	N	N	Y	N	Physical fitness. Organized unit PT (place of duty) during normal duty hours. Does not include individual PT time.	
TH	Training Holiday	N	N	N	Y	N	MILITARY OTHER- training holidays, pass, paternity leave (Assigned Military Only)	
TNG	Medical and Non-Medical Education and Training	N	N	N	Y	Y	Medical Staff Training (Staff attending training). Birth month medical and non-medical training. Back to Basics: time spent learning, attending and participating in formal skill all development courses/programs supporting continuing devices. Itel ALL, ALLS, HAPPA, Isela I Tribr, Coz, profilesery, training: attending local conducted non-healthcare related training (Los, EEC), Social Harassmerk, Rick Management, Safety, etc.)	
TRNR	Teaching - Medical and Non-Medical Training and Education	N	N	Y	Y	Y	Teaching medical and non-medical training-includes life support training, CPR, ATLS, ACLS, CO2, Ethics, OPSEC, POSH, preparing/presenting lectures for a medical related conference inside or outside the MTF	
HSPT	Humanitarian Support	N	N	N	Y	Y	Humanitarian Support for MEDRETE (Regardless of location)	
JC	MTF Joint Commission Time	N	N	Y	Y	Y	Personnel assigned to an inpatient or outpatient (A or B MEPR/FCC code) when they attend formal Joint Commission meetings outside their work center.	
LADM	Leadership - Admin Time	N	N	N	Y	Y	Clinical Nurse OIC/Asst and NCOIC only administrative time and functions. Includes clinic meeting, supervisory duties, evaluations and	

Insert a screenshot of your results here:

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	ANY MEDICINE										
	Patient Services Repo	orting HELP Case M	anagement								
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			Code	Name	Readineers	Scher	dulina Time E	xceptions R	Chullian	Desc	
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			1963	Plass Casuality						threats, NASCAL, NMDS missions, sr include training)	
			MORA	Military Organizational Related Activities	N	N	N	Y	Ŷ	Use FCGA for medical military organ for medical in/out processing, comm town hall meetings, parades, format	
			MTNG	Military Training	Ŷ	N	N	Y	N	Time spent participating and/or com Includes but not limited to Army Tra Exercises, Recall Exercises, ADEDA, Combat Environmental Transition Tr (C4), Prev Ned Classes	
			PT	Physical Training	Y	N	N	Y	N	Physical fitness. Organized unit PT (hours. Does not include individual P	
			TH	Training Holiday	N	N	N	Y	N	MILITARY OTHER- training holidays, Military Only)	
			TNG	Medical and Non-Medical Education and Training	N	N	N	Ŷ	Y	Medical Staff Training (Staff attendir non-medical training: Back to Basics participating in formal skill self devel continuing education, i.e., CPR, ATL: Ethics, CPSEC, POSH, attending in h proficiency training; attending local - training (e.g., EC), Sexual Harassme	
			TRMR	Teaching - Medical and Non-Medical Training and Education	N	N	Y	Y	Y	Teaching medical and non-medical t OPR, ATLS, ACLS, CO2, Ethics, OPSE lectures for a medical related confer	
			HSPT JC	Humanitarian Support MTF Joint Commission Time	N N	N	Y	Ŷ	Y Y	Humanitarian Support for MEDRETE Personnel assigned to an inpatient o when they attend formal Joint Comm center.	
			LADM	Leadership - Admin Time	N	N	N	Y	Y	Clinical Nurse OEC/Acst and NCOIC functions. Includes clinic meeting, si counseline, committee meetings, se	

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Pa	ssin	lg C	rite	ria								

PassPassing CriteriaCommentsImage: Passing CriteriaThe expected
screen was displayed when
the module opened.The expected
screen was displayed when
the module opened.92The user must login to the WMSNi user system using their CAC card.Image: Passing Criteria93Once logged into the WMSNi system the user must navigate to the ReportsImage: Passing Criteria94From the submenu select the Other Reports / Classification Data Export.Image: Passing Criteria



95

5

...making data meaningful

The following is the expected screen view: Select items from the dropdowns, then click the run button

and the report should populate. The lists are expanded in this view.



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Pass	Passing Criteria	Comments
Х	Module opened as intended and appears to be properly functioning.	Report opens but does not display data when run. Know issue. Excel export worked.
96	The user must login to the WMSNi user system using their CAC card.	
97	Once logged into the WMSNi system the user must navigate to the HELP T	ab.
98	Select Online Help.	
99	The following is the expected screen view: Select an MTF and date the repo	ort should populate.



	Clossary
×	Table of Contents
VIT Release Note VIT Release Note VIT Release Note VIT Release Address VIT VIT Release Note 1 2 Synthem Navigation 1 3 Review 1 3 Review 1 4 Agreendes 1 4 Agreendes 2 a Cassification Manager Table of Contents 2 Cassification Manager Table of Contents 2 1 Data Origin/Data Input Issues Implat 2 2 Review 2 1 Data Navigar/Data Input Issues Implat 2 2 Review I Data Input	TARK OF CRITERIE ADOCT THE MANDIAL THENSIN LA OF CRITERIE THENSIN LA OF CRITERIES THENSIN LA OF CRITERIES THE OF CRITE
e Authentication Manager 7. Rola Manager 7. Rola Manager 9. Schodiek Managereit 9. Lador and Delivery Mathemal-Child Health 10. Business: Intelligence / Reputing 11. Case Management / VMSN3 12. Video Gallery	About this manual The primary purpose of this manual is to provide the user of WMSNI 2.0 how to instruction for basic system functionality and to be a reference for the user. This manual also serves these purposes: Provides the bistory and purpose of the WMSNI 2.0 system. Provides decriptions of fields, basic margination techniques, and report use. Sites step by pair instruction on how to use each module within the WMSNI 2.0 system. Provides Information on data origins, common use issues, and implications for nursing practice for each module within the WMSNI 2.0 system. 1 WMSNI 2.0 OVERVIEW

Insert a screenshot of your results here: 🖪 🧲 🌍 🔮 https://wmsni.amedd.army.mil:8

WIT 1.0.0 × 📑	
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Pass	Passing Criteria	Comments						
V	Module opened as intended and appears to be properly functioning.	Help document displays as expected.						
100	The user must login to the WMSNi user system using their CAC card.							
101	Once logged into the WMSNi system the user must locate the Video message on the entry screen.							
102	Select https://login.milsuite.mil/?goto=https%3A%2F%2Fwww.milsuite.mil%3A443%2Fvic 3DWMSNi From the Entry Screen.	leo%2Fsearch%2F%26tags%						
102	The following is the expected screen view: Select an MTF and date the repo	rt should populate.						

103

eport should pop ng is the exp



milSuite

I AGREE

I agree to adhere to the milSuite User Agreement and the below terms and conditions: milSuite Help and Support

Disclaimer

YOU ARE ACCESSING A U.S. GOVERNMENT (USG) INFORMATION SYSTEM (IS) THAT IS PROVIDED FOR USG-AUTHORIZED USE ON By using this IS (which includes any device attached to this IS), you consent to the following conditions:

- The USG routinely intercepts and monitors communications on this IS for purposes including, but not limited to, penetration testing, COM
 monitoring, network operations and defense, personnel misconduct (PM), law enforcement (LE), and counterintelligence (CI) investigations.
- · At any time, the USG may inspect and seize data stored on this IS.
- Communications using, or data stored on, this IS are not private, are subject to routine monitoring, interception, and search, and may
 disclosed or used for any USG-authorized purpose.
- · This IS includes security measures (e.g., authentication and access controls) to protect USG interests not for your personal benefit or priva
- Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI investigative searching or monitoring of the content privileged communications, or work product, related to personal representation or services by attorneys, psychotherapists, or clergy, and assistants. Such communications and work product are private and confidential. See User Agreement for details.

Privacy Act Statement

AUTHORITY: 10 U.S.C. 3013, Secretary of the Army; Department of Defense Instruction 8500.01, Cybersecurity; Army Regulation 25-1, A Information Technology; Army Regulation 25-2, Information Assurance.





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...making data meaningful

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						Videos will not con	mect
						from ITC.	

Delivery	Issues:
Assessment:	1) 2 of 3 Dashboards not working (Manpower Staffing & Workload
PASS	Dashboards. There were issues with these prior to the 12c update.
	2) The Classification Data Export accepts selections but does not render a
	report, this behavior was present prior to the 12c update.
	3) The Inpatient LAD Individual Classification report appears to run but
	patients are not available for selection – known issue.



9 IDUT Release Plan Example Only

Overview

Short summary specifying the objective to be accomplished by the document. Key points for the reader are mentioned in this section.

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1 Deployment Summary

1.1 Technical Summary: Version x.x.x

A description and the delivery method of each item in the release. What are you fixing/changing/updating?

What are the artifacts being delivered to provide that fix?

- 1. Item 1
- 2. Item 2
- 3. Etc...

1.1.1 Item 1

Version Number: x.x.x OR N/A Description: Includes Delivery Method: [SQL DML, SQL DDL, .war deployment, .jar deployment] SHA 256:

1.1.2 Item 2

Version Number: x.x.x OR N/A Description: Includes Delivery Method: [SQL DML, SQL DDL, .war deployment, .jar deployment] SHA 256:

2 Installation Instructions

The following are examples of potential deployment exercises.

2.1 Retrieving Artifacts

The above have been provided via TFS.

2.2 Installation Steps

NOTE:

Download/move above artifacts to the working environment from TFS.
 2)

2.3 RPTDESIGN File Deployment Instructions

NOTE:

- 1) Copy report files into an installation directory and execute subsequent commands from the installation directory.
- 2) Copy existing BIRT reports directory (for use in rolling back)
 \$ sudo -i cp -R /var/webapps/birt/bif \ /var/webapps/birt/bif.pre*release*.BAK
- 3) Confirm that the new directory exists



\$ sudo -i ls -lt /var/webapps/birt/bif.pre*release*.BAK

- 4) Give ownership of report files to insight
 \$ sudo -i chown insight:insight ~/*.rptdesign
- 5) Copy all .rptdesign files to reports directory
 \$ sudo -i mv ~/*.rptdesign /var/webapps/birt/bif/
- 6) Execute shell script to update report database connection details. Be prepared to interactively supply the database password, database IP address, database SID, and the path to the reports directory.
 \$ sudo -i /opt/insight/server/set_report_LIRL_plus_enc_pw.sh

\$ sudo -i /opt/insight/server/set_report_URL_plus_enc_pw.sh

2.4 Pre-deployment Preparation

- Shutdown TomCat
 \$ sudo -i /opt/insight/server/bin/shutdown.sh
- 2) Rename the log file \$ sudo -i mv /opt/insight/server/logs/catalina.out \ /opt/insight/server/logs/catalina_out_\$(date \ +%0Y-%0m-%0d_%0k%0M).txt
- Backup existing wmsn2.war file (for use in rolling back).
 \$ sudo -i mv /var/webapps/wmsn2.war \ /var/webapps/brainjack.pre2.4.7R1.war.BAK
- 5) Give ownership of the file to insight
 \$ sudo -i chown insight:insight ~/*.war

2.5 WAR File Deployment Instructions

- Remove the wmsn2 deployment directory.
 \$ sudo -i rm -rf /var/webapps/wmsn2
- 2) Deploy the new WAR files to the webapps directory.
 \$ sudo -i mv ~/wmsn2.war /var/webapps/wmsn2.war

2.6 JAR File Deployment Instructions

- 1) Copy jar files from CD into an installation directory and execute subsequent commands from the installation directory.
- 2) Copy existing java library directory (for use in rolling back)
 \$ sudo -i cp -R /opt/insight/server/lib /opt/insight/server/lib.pre*release*.BAK
- Confirm that the new directory exists
 \$ sudo -i ls -lt /opt/insight/server/lib.pre*release*.BAK
- 4) Give ownership of jar files to insight \$ sudo -i chown insight:insight ~/*.jar
- 5) Copy all .jar files to lib directory
 \$ sudo -i mv ~/*.jar /opt/insight/server/lib/
- 6) Stop the tomcat server\$ sudo -i /opt/insight/server/bin/shutdown.sh



- 7) Restart the tomcat server\$ sudo -i /opt/insight/server/bin/startup.sh
- 8) Monitor server startup
 \$ sudo -i tail -f -n 200 /opt/insight/server/logs/catalina.out

2.7 SQL File Deployment Instructions

- 1) Back-up the database.
- 2) Copy contents of the sql directory on TFS to an installation directory on the database server. Execute subsequent commands from that directory location.
- 3) Execute the driver SQL script.
 \$ sqlplus / as sysdba @*File_Name*.sql
- Examine logs directory for errors. crt_ccl_core.log sql_resource_*.log compile_wmsni_schemas_report_errors.log