THE INDIAN HEALTH SERVICE

RPMS Direct Messaging (Secure Messaging)

RPASS EHR

Electronic Health Record Presented by Marilyn Freeman

California Area HIM Consultant Superior Healt'/ Information Management Now and for the Future

RPMS Direct Messaging Team

- Glenn Janzen, Chief Enterprise Architect
 IHS
- Chris Lamer, Clinical Informatics Consultant - IHS
- Meghna Patel, Business Analyst DNC
- Duane Rosznyai, Application System Analyst – DNC

Key Terms

- **RPMS DIRECT:** A standard based, secure, point-to-point, web-based messaging system. It is intended for the exchange of patients' health information between healthcare Providers, such as Physicians, Nurse Practitioners, Physician Assistance, Medical Assistance, and other Healthcare providers who regularly transmit and/or receive Protected Health Information/Personally Identifiable Information (PHI/PII).
- **Certificate Authority:** An authority trusted by the IHS Health Information Service Provider (HISP) for issuance and management of certificates.
- **Registration Authority:** An authority trusted by the IHS HISP that works in collaboration with the IHS trusted CA to collect and verify information of the certificate subjects such as RPMS DIRECT Administrators and will evaluate to either approve or reject subscriber certificate management transactions, including certificate renewal, re-key, and revocation requests.
- **Domain Name:** A fully qualified domain name that identified the organization that assigns the health endpoint names and is dedicated solely to the purpose of health information exchange. Example: facilityname.directihs.net.

Key Terms

- Message Agent: An individual assigned to receive secure messages on behalf of healthcare provider(s). Messaging Agent's responsibility is assigned usually to the same person assigned to answer the phone in the clinic. Similar to the calls, Message Agent will get the messages, respond, and/or distribute them to the appropriate party.
- **Trusted Agent:** The Trusted Agent is an individual appointed on behalf of the Registration Authority to complete an in-person identity verification of the RPMS DIRECT users. The RPMS DIRECT Administrators will serve as a Trusted Agent.
- **SU/FA:** Service Unit/Facility Administrator
- CSR: Certificate Signing Request
- DCV: Domain Control Validation

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Role Hierarchy



Area Administrator Responsibilities

- Onboarding support to Service Unit/Facility (SU/F)
 - Prepare SU/F for deployment
 - Verify SU/F's readiness for deployment
 - Setup SU/F for deployment
 - Setup SU/F in the Certificate Portal
 - Order organization certificate
 - Setup SU/F in the RPMS DIRECT Administrative Application
 - Complete/validate deployment/production
- On-going support to SU/F
- Tier 1 and 2 support to SU/FA
- Tier 2 and 3 Support to SU/F
- Access Management: ITAC System and Help Desk Tickets

• Regular Audits

Deployment Phases



Facility Deployment: Phase 1 & 2



Facility Deployment: Phase 3 & 4



- Setup HCO and SU/FA in the Portal
- •ID Vetting of SU/FA
- Order and Map Facility Domain Certificate
- Add RPMS DIRECT Messaging Menu in the EHR
- Setup Facility Domain and SU/FA in the hMail Application
- Setup Local RPMS DIRECT Team
- Verification and Testing
- **Onboard Users**
 - Registration
 - Training
 - Setup
- Additional Trainings and Support
- Ready to Send and Receive Messages

• Ready to Send and Receive Secure Messages

Applications

• Certificate Authority Portal

- Order and approve Certificates and manage representatives and Trusted Agents for both Area and Site.
- hMail Administrative Application
 - Complete implementation, perform audits, and manage domain, administrator, and user access.
- RPMS DIRECT Messaging Webmail
 - Connects Healthcare providers and other healthcare professional to the RPMS DIRECT Messaging via RPMS-EHR.

Certificate Authority Portal

Access limited to:

- National Administrators
- Area Administrators
- Functions:
 - Set-up HCO
 - Order
 - Organization certificates
 - Address certificates
 - Manage
 - Contacts
 - Users
 - Domains
 - Certificates: Issue new, reissue, and revoke

Portal Role & Access

Defined Roles and Access within the CA Portal

	Role	Access
National Administrator	ISSO, Trusted Agent	Admin
Area Administrator	Trusted Agent	Operator
Service Unit/Facility Administrator	Representative, Trusted Agent	No Access

Area Administrator Setup

ITAC System: RPMS DIRECT Area Admin
 Complete DigiCert Declaration Form

6	Patel, Meghna (IHS/HQ) [C]
ct:	Please complete the required identity form for Indian Health Service
Hello	Meghna Patel,
orga	n Health Service has requested a certificate for use with Directed Exchange messaging they manage for you nization. Before DigiCert can issue this certificate. DirectTrust requires that your identity be verified.
g	
Pleas	e visit the link below to ensure that your personal information is correct and to give Indian Health Service
perm	ission to manage this certificate on your behalf.
https	://www.digicert.com/direct/contact-undate.php?token=
If yo	u have any questions please contact DigiCert Support or your account manager at Indian Health Service.
Tolo	are more shout DigiCart's rela in Directed Exchange places visit this link
1016	ant more about Digitert's role in Directed Exchange please visit this link.
www	.digicert.com/direct-project/what-is-the-direct-project.htm
T . 1.	
10 le	arn more about Direct i rust please visit this link.
www	.directtrust.org/directtrust-101/
-	
Than	k you,
DigiC	ert Support
Onlin	e: www.digicert.com
Supp	ort: support@digicert.com
Phon	e: 1-801-877-2100
TOILE	1-866-842-0223 (Toll Free - US & Canada)

AA Declaration Form

Indian Health Service has requested a certificate for use with the Directed Exchange messaging they manage for your organization. Before DigiCert can issue this certificate, DirectTrust requires that your identity be verified.

Please complete the form below to ensure that your personal information is correct and to give Indian Health Service permission to manage this certificate on your behalf.

Identity Information	Government ID Information
irst Name	Photo ID Type*
Aeghna	· · · · · · · · · · · · · · · · · · ·
ast Name	ID Number*
Patel	
mail	Expiration Date*
neghna.patel@ihs.gov	mm/dd/yyyy
elephone*	
irth Date*	
nm/dd/yyyy	
ountry*	
address*	
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ny .	
ace.	
ostal Code*	
Password	
assword	
onfirm Password	
ferms of Service	
	*
ISSO ACCEPTANCE OF APPOINTMENT	
	-
ACCEPTING APPOINTMENT, YOU ACREE TO THE TERMS HEREIN AND THAT YOU WILL S	A GOURNO TRUSTED AGENT UNDER DIGICERT'S AGREEMENT WITH HISP. BY BE RESPONSIBLE FOR THE USE AND SECURITY OF THE PRIVATE KEYS ASSOCIATED
WITH CERTIFICATES YOU APPROVE. IF YOU DO NOT WISH TO TAKE ON THIS RESPONSI	BIUTY, DO NOT ACCEPT APPOINTMENT, SUBMIT IDENTITY INFORMATION TO
DIGICERT, OR APPROVE THE ISSUANCE OF CERTIFICATES. IF YOU HAVE ANY QUESTION	IS, PLEASE E-MAIL DIGICERT AT LEGAL@DIGICERT.COM OR CALL 1-800-896-7973.
DigiCert and HISP previously entered into an agreement ("HISP Agreement") wherein yr	our Health Information Service Provider ("HISP") was authorized to order ITU X.509 v.3 🔻
	+ I have read and agree to the terms above
CAVE	CHANCES
SAVE	CT PRIME D

Email: Enter work email address. This will be used to request more information for you and any future communication in regards to your account and domain. This email address will become your CA portal User ID.

- Address: Your home address as this will be used to identify your identity.
- □ <u>Government ID Information</u>: Select PIV Card from the dropdown.
- Password: Password length must be 8 or longer, contain a capital letter and either a number or special character.
- □ <u>Terms of service:</u> Read and accept DigiCert Terms of service by checking the checkbox

□ Save Changes

Area Administrator

- Upon successful completion of the form, all the information/form is submitted to DigiCert for your ID proofing
- Setup complete for Area Administrator
- Upon completion ID proofing you are now ready to:
 - Setup HCO
 - Request org. certificates



Simplified Certificate Workflow



Certificate Workflow in Detail



Certificate Authority Portal

https://www.digicert.com/account/login.php



Certificate Authority Portal

First time user will be required to set security question and answer

Account Settings		
User Management Edit My Profile	2 answer her/ow	
Update My Security Question		
Security Question	Your childhood nickname? The name of your childhood best friend? The name of your first stuffed animal? The city or town where your parents met? Where does your nearest sibling live? Your maternal grandmother's maiden name? Your best friend in high school? The strangest thing you've ever eaten? +	
Your Answer		
		Save

Add HCO



Add HCO

					information [.]
nage	Add Health Care Organiz	ation			Identity agotion:
riticates			=		Type Field: Organization
rqueeta 20s	HCOs > new				Health Care Organization: Facility's Legal
-	1				Nomo
intacts	Identity	Representative			
maine	Type* Organization	Email			Address: Registered Address
inch Oxf.+.	Health Care Organization*	First Name			Bennes enteting Constinue
	Land Assumed Name (DDA)	Last Name		L	Representative Section:
	Lager Assumed Hame (LCDA)				MUST include the designated facility SU/FA
ently Viewed	Address	Send contact into and authorization email			information in the Email, First Name, and Lasi
	Country*	Domain Info			
	Address*	Domain Name			Check box for the "Send contact into and authorization email"
		_			
	City*				Domain Info section: Facility's full domain name
	State*				
	Boatal Costat				Options section:
	Postal Code				HIPAA Compliance Type field: HIPAA
					Covered Entity
	Options	Valitation Options	_		Default Assurance Level field: Medium
	HPAA Compliance Type	When validating Orders Digitert should contact *	-		
	Default Assurance Level*	When validating Domains DigiCert should contact: *			Validation Ontions agation
	Medium	HISP Validation Contact	~	u	validation Options section:
	Use a Custom Declaration of identity				when validating Order DigiCert should
					contact field: HISP Validation Contact
	Terms of Service	·			When validating Domains DigiCert should
	By checking below, I agree as follows:		^		contact field: HISP Validation Contact
	The organization is a HIPAA covered entity, a HIPAA bus	mass associate, or a healthcam-valued organization which treate protected health		_	
	Information with privacy and anounty protections that are organization, the organization limits its use of the Cartifics Information with privacy and security protections that are	equivalent to those required by HIPAA. If the organization is a healthcare-related de to purposes related to Direct messages and has agreed to handle protected he equivalent to those required by HIPAA. I acknowledge that the organization may		Rea	ad & accept Terms of Service
	territeite my agency to request certificates on its behalf e	and immediately forward any requests for termination to DigiCert.	~		
	. The remarked on has a distrined MRD as its radificate an	and and answer in the advantuer arreament 1 will release re-filtrates retrievaled			
		*I have read and agree to the term	above .	butt	ton at the bottom of the page.
			- 1		

- 1. Complete Identity Proofing & upload Declaration Form for SU/FA
- 2. Update SU/FAs role to Trusted Agent
- 3. Request CSR for the facility domain name via OIT HD ticket from the RPMS
 - DIRECT Development team at Support@ihs.gov:

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pboard	F2	Basic Text		Ta Na	Names mes	Include	Tags 1	Zoom
	From *	Meghna, Patel@ihs.gov						
=1	To	support@ihs.gov						
ena	Cc							
	Subject:	RPMS DIRECT CSR requ	est for "Facility	Domain name	×			
Reque	esting RPM	S DIRECT organiza	tion certifie	cate CSR fo	r "Facilit	ty Domain Nan	ne" (e.g.	1

4. From the CA Portal Main screen: Request \rightarrow Request Org Cert

Certificates •	Requests -	HCOs	Users-	Contacts -	Don
Manage	(anage Req	uests		
Certificates Requests	List All Re Request A	quests address Cert			
Users Contacts	Request C	org Cert Device Cert			
Domains					

- 5. Select Facility's name for which organization certificate is being requested
- Click on the Request Org. Cert button **Request Organization Certificate** lealth Care Organization REQUEST ORG CERT OR When in the HCO screen click on the Request ORG CERT button HCO Info Users Contacts Requests Certificates Domains **REQUEST ORG CERT** REQUEST ADDRESS CERT REQUEST DEVICE CERT EDIT

HUUINIO	Jsers Contacts	Requests	Certificates	Domains	
quests > Requ	uest an Organizatio	n Certificate			
Authorization			Certificate Sign	ing Request	
epresentative*			Click t	o upload a CSR or paste	one below
		~			
Certificate Details			How should I for	mat my CSP2	
omain (common	name)*	View Domains	How should I for	mat my contr	
			Notifications		
alidity Period*			ISSO		
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ssurance Level*			Additional certifie	cate recipient email(s)	Comma separal
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Organization Info			L		
organization into			Comments		
Name:	Gallup Indian Medical (Center	Comments to Ac	Iministrator	
Address:	PO BOX 1337				
City:	Gallup				
State:	NM				
Postal Code:	87301				
Country:	USA				
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DIRECT CERTIFICAT	E SUBSCRIBER AGREEME	NT			
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PLEASE READ THIS	AGREEMENT CAREFULLY	SEFORE PROCEEDI	NG. YOU MUST CHEC	K "I AGREE" BELOW TO ACK	IOWLEDGE
AGREEMENT, DO NO	OT CONTINUE OR APPROVI	THE ISSUANCE OF	A DIGITAL CERTIFIC	ATE. IF YOU HAVE ANY QUES	STIONS
REGARDING THIS A	GREEMENT, PLEASE E-MAI	L DIGICERT AT LEG	AL@DIGICERT.COM C	R CALL 1-800-896-7973.	
This subscriber agree	ment is between DiniCert Inc	a Litab corporation ("DiniCert") and the entit	v applying for a Certificate A G	lossary of Terms
and a second and a second	and a second angle only mo		- a serie / and and only		and a second

6. Complete Org Cert Request:

- Representative: This should be the HCO representative (RPMS DIRECT SU/FA) you added in the "Adding HCO". Ensure that representative has submitted their Declaration form to complete the request.
- **Domain:** Enter the Facility's Domain name for whom the certificate is being requested.
- □ Validation Period: 1 year
- □ Assurance Level: Medium
- □ Certificate Signing Request (CSR): Copy and paste CSR you received in step 3.
- Notifications: Select alternate AA name or enter their email under the Additional Certificate recipient email(s)
- □ Read and accept Terms of Service
- □ Click on Request Org Certificate

CSR

Important Note:

•Be sure to use CSR for the given Domain name

•When you paste the CSR in the box, make sure to include the first and last lines: **BEGIN CERTIFICATE REQUEST** and **END CERTIFICATE REQUEST** as

illustrated below.

-----BEGIN CERTIFICATE REQUEST-----

MIICvDCCAaQCAQAwdzELMAkGA1UEBhMCVVMxDTALBgNVBAgMBFV0YWgxDzANBgNV BAcMBkxpbmRvbjEWMBQGA1UECgwNRGInaUNIcnQgSW5jLjERMA8GA1UECwwIRGIn aUNIcnQxHTAbBgNVBAMMFGV4YW1wbGUuZGInaWNIcnQuY29tMIIBIjANBgkqhkiG 9w0BAQEFAAOCAQ8AMIIBCgKCAQEA8+To7d+2kPWeBv/orU3LVbJwDrSQbeKamCmo wp5bqDxIwV20zqRb7APUOKYoVEFFQEQs6T6gImnIolhbiH6m4zgZ/CPvWBOkZc+c 1Po2EmvBz+AD5sBdT5kzGQA6NbWyZGldxRthNLOs1efOhdnWFuhl162qmcflgpil WDuwq4C9f+YkeJhNn9dF5+owm8cOQmDrV8NNdiTqin8q3qYAHHJRW28gJJUCZkTZ wIaSR6crBQ8TbYNE0dc+Caa3DOIkz1EOsHWzTx+n0zKfqcbgXi4DJx+C1bjptYPR BPZL8DAeWuA8ebudVT44yEp82G96/Ggcf7F33xMxe0yc+Xa6owIDAQABoAAwDQYJ KoZlhvcNAQEFBQADggEBAB0kcrFccSmFDmxox0Ne01UIqSsDqHgL+XmHTXJwre6D hJSZwbvEtOK0G3+dr4Fs11WuUNt5qcLsx5a8uk4G6AKHMzuhLsJ7XZjgmQXGECpY Q4mC3yT3ZoCGpIXbw+iP3ImEEXgaQL0Tx5LFI/okKbKYwIqNiyKWOMj7ZR/wxWg/ ZDGRs55xuoeLDJ/ZRFf9bI+IaCUd1YrfYcHII3G87Av+r49YVwqRDT0VDV7uLgqn 29XI1PpVUNCPQGn9p/eX6Qo7vpDaPybRtA2R7XLKjQaF9oXWeCUqy1hvJac9QF02 970b1alpHPoZ7mWiEuJwjBPii6a9M9G30nUo39lBi1w= -----END CERTIFICATE REQUEST-----

Certificate Issuance & Mapping

- 7. DigiCert will validate organization and issue certificate
- 8. Email Certificate to ETS team for Mapping via email at <u>Support@ihs.gov</u>

	From *	Meghna.Patel@ihs.gov
Sand	To	support@ihs.gov
Sella	Cc	
	Subject:	DNS CERT record request for the DIRECTIHS.NET zone.(Service/Unit Facility Name)
	Attached:	DigiCert certs.zip (7 KB)
Name Recor Zone: View: Data:	: "Facility d type: CE directihs.n External See Attach	n Domain name" (e.g. "Facilityname.directihs.net") ERT net hed
Thank	you!	
Mark		

9. Receive mapping confirmation from ETS

hMail Administrative Application

hMail Admin

WebAdmin

Access limited to:

- National Administrators
- Area Administrators
- Service Unit/Facility Administrators (SU/FA)

Functions:

- Manage
 - Facility Domain Names
 - Users
 - User's Profile
 - Auto-reply
 - Message Forwarding

	100	-150	STANT S	
hMailServer	69	200	Albert.	
4	91		100	

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assworu.	

OK

hMail: Add Domain

1. Add new Domain in the hMail Administrative Application

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hMail: Add Domain

1a. General: Add facility's domain name



Save

hMail Administration Level

- Role designation within the hMail Administrative application.
- When setting up new Users and Administrator be sure to assign correct Administration Level.



hMail: Add SU/FA

2. Add facility SU/FA in the hMail Administrative Application under their own domain.



hMail: Add SU/FA

2a. General:

- □ Address: format must be *Firstname.lastname*
- Password: see requirement on the screen
- Administration Level: Select appropriate level based on the role



hMail: Add SU/FA

2b. Advanced: Add SU/FA's First and Last Name

General Auto-	reply Forwarding	Signature Advanced	
First name		Last name	
John		Doe	
			Save

3. Provide login credentials to the SU/FA

RPMS DIRECT Audits

Access limited to:

- National Administrators
- Area Administrators
- Service Unit/Facility Administrators (SU/FA)
- Functions:
- Auditing
 - Reactive Auditing
 - Proactive Auditing

NOTE: See RPMS DIRECT Messaging Administrative Manual and Policy for more information

Audits

First Name :	Last Name :		
Activity Start Date (required) :	Activity End Date (required) :	(i	
DIRECT Email :	Activity Type :	All Activities	
Submit Reset Input Fields			

- Activity Start and end date is required
- Query by:
 - First name
 - Last name
 - Direct Email
 - Activity Type

Activity Type :	All Activities -				
	All Activities				
	LogIn				
	Log Out				
	Send Email				
	Receive Email				
	Password Reset				
	Account Lockout				

Audit Report

- Sort Audit report
- Search through Audit report
- Export Audit Reports

First Name :				Lus	t Name :-				
Activity Start Date (required) : 2014-05-05		2014-05-05			Activity Eng Date (required) :		2014-05-05		
			Activity Type :		Send	Send Email •			
Submit Reset 1	nput Fields								
Show 10 -			1.1					Search	
Activity Date and Time	* DIRECT	Email Address	* Message		Activity Type	*	First Name	* Last Name	
2014-05-05 07:17:19:0	mgreen	@Facilityname.directihs.net	Send Email to 'm with subject 'Ad HeathCate/Tean	yant mgrant@direct.ths.gov Inportant.Vessage from your on 2014-05-05.07;17:19:0	Send Email		nuk	null	
2014-05-05 07 18:04.0	ingreend	@Facilityname.directifts.net	Send Emailto Im In En Subject An Heathcare Team	rrant mgrant@direct ins.gov' moortant Message from your or 2014-05-05 07:18:04.0'	Send Email		nut.	nut	
2014-05-05 07:18:06:0	mgreens	@Facilityname.drectins.net	Send Email to 'm with subject 'An Heatricare Tean	rant mgrant@drect.hs.gov important Message from your on 2014-05-05 07:18:06:0*	Send Email		nul	nul	
2014-05-05 07:18:12.0	mgreend	@Facilityname.directihs.net	Send Email to 'm with subject 'An Healthcare Team	prant mgrant@direct ihs gov Important Message from your on '2014-05-05 07:18:12.0'	Send Email		nuil	nut	
2014-05-05 07:24:09.0	mgreen¢	@Facilityname directins.net	Send Email to 'm with subject 'Oth	grant mgrant@direct.ihs.gov' er' on '2014-05-05 07:24:09.0'	Send Email		nul	nul	
2014-05-05 07:24:12.0	mgreen(@Facilityname.directihs.net	Send Email to 'm with subject '0th	prant mgrant@direct ins.gov er' on '2014-05-05 07:24 12.0'	Send Email		nul	null	

Next Step: Area Administrators

Area Administrators:

- Complete ITAC system for PHR and RPMS DIRECT access request
- Obtain ITAC training and access
- Complete DigiCert Declaration Form
- Identify PHR and RPMS DIRECT early adopters
- Identify early adopters' SU/FA
- Train early adopters' SU/FA
- Submit Readiness Assessment Form by 8/22

Note:

PHR & RPMS DIRECT Beta Area Office will receive Deployment package by 8/13 COB All other Areas will receive post Beta test period

Next Step: SU/FA

Service Unit/Facility Administrators:

- Complete ITAC system for PHR and RPMS DIRECT access request
- Complete DigiCert Declaration Form
- Identify local team
 - PHR Registrars
 - Message Agents
 - Facility Address Designee
 - CAC's
- Train local team

- Submit Readiness Assessment Form by 8/22

Note:

PHR & RPMS DIRECT Beta Area Office will receive Deployment package by 8/13 COB All other Areas will receive post Beta test period

More Information

Additional Resources:

- Pre-Deployment Guide
- User and Administrator Manuals
- Policies
- Flyers for Outreach
- Readiness Assessment Form
- Declaration Form



Training for Areas and Early Adopters

- Subject: Central Services PHR & RPMS DIRECT registration and user training for Area and early adopters
- Date: August 27th, 2014
- Time: 12pm-2:30pm EST (11am CT, 10am MT, 9am PT)

Note:

PHR & RPMS DIRECT Beta Area Office will receive Deployment package by 8/13 COB All other Areas will receive post Beta test period



Questions and Discussion

