

Skin Check - System Design Document (SDD) Addendum

Mobile Application System Design Document (SDD) Addendum

The System Design Document (SDD) is a dual-use document that provides the conceptual design as well as the as-built design. This document will be updated as the product is built, to reflect the as-built product. Per the Project Management Accountability System (PMAS) Guide, the SDD with conceptual design is required prior to the Milestone 1 Review. The as-built for each delivery must be incorporated prior to the Milestone 2 Review.

Mobile Application Information

Project Increment / Release Designation: **Skin Check 1.0.0**

Product Version: **1.0.0**

	Veteran	Care Giver	Provider	Public
Intended Audience for Mobile Application			X	

Question	Yes	No	If Yes, what information / data	If yes, then identify any consumer or source system(s) for the data
Does the user enter information or data into the mobile application?	X		Skin and risk assessment data, including Health Factors	VistA for Progress Notes, VANOD for Health Factors (VistA pass through)
Does Mobile Application store information or data entered by the User? If yes, where is it stored?	X		Skin and risk assessment data, including Health Factors	VistA for Progress Notes, VANOD for Health Factors (VistA pass through)
Does Mobile Application transmit/push data entered outside of the VAMF to VA?	X		Skin and risk assessment data, including Health Factors	VistA for Progress Notes, VANOD for Health Factors (VistA pass through)
Does Mobile Application pull data from a VA Database (external to VAMF)?	X		Veteran Demographics information, and previously saved data	Mongo db/VistA
Does the Mobile Application store in the VAMF or on the device data pulled from a VA Database?	X		Skin and risk assessment data, including Health Factors (mongo db only – not on local device)	Mongo db/VistA

This application can be classified as one of the following:

Mobile Application Classification (Only one box may be checked)	Mark with X
1 – Very Low: Mobile Application does not use VA Resource	
2 – Low: Read only access to VA Resource(s) (No PII / PHI)	
3 – Medium: Write access to VA Resource(s)	
4 – High: Read and/or Write access of sensitive data to VA Resource(s) (Includes PII/PHI/other sensitive)	X

Application Design

The Department of Veterans Affairs (VA) Skin Check mobile application (App) allows members of VA care teams to complete skin assessment documentation. With the App, VA clinical staff (primarily nurses) can conduct a comprehensive skin check, assess risk for pressure ulcers (PU), choose the proper preventive measures and add information into their patients' records. The App is designed to be a single, easy-to-access location for finding complete information about wound and skin care and to help VA clinical staff comply with the Veterans Health Administration's (VHA) Pressure Ulcer Prevention Handbook 1180.02.

Flow Diagram for Inpatient Pressure Ulcer Wound Care App

Based on VHA Handbook 1180.02

Applicable to:

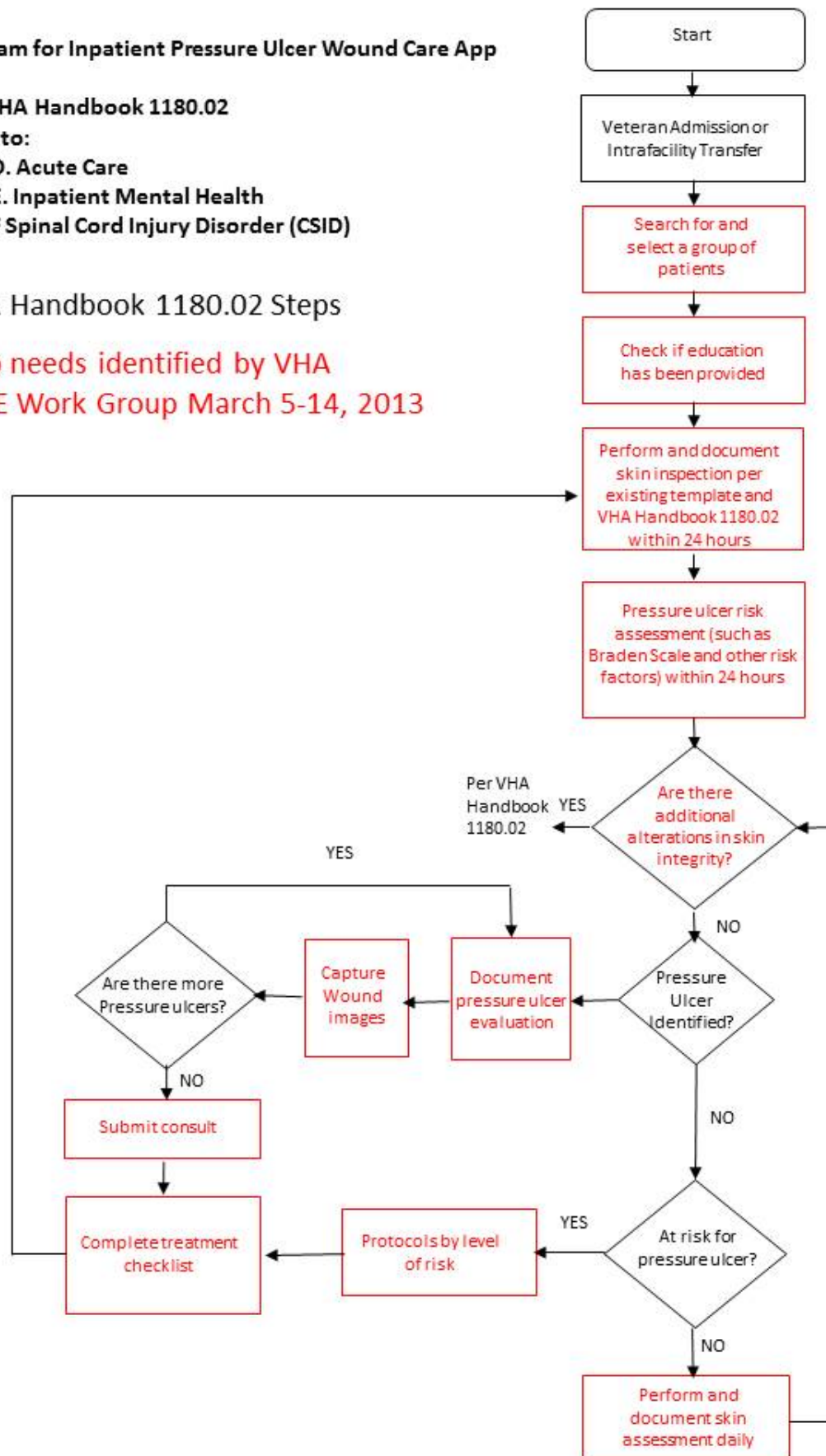
Appendix D. Acute Care

Appendix E. Inpatient Mental Health

Appendix F Spinal Cord Injury Disorder (CSID)

☐ VHA Handbook 1180.02 Steps

☐ App needs identified by VHA
SME Work Group March 5-14, 2013



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Device's OS	Native	Hybrid	Web-Only	OS version supported	Targeted devices (iPhone, iPad, Samsung model...)	Estimated Storage Required for Device
iOS			X			
Android			X			
Windows 8			X			

Technologies, Libraries, and Tools Used in the App	Version	On the TRM? (If not, provide a link to the waiver)
HTML5	5	Yes
MongoDB		AERB Waiver Decision Certificate_MongoDB_MAE-2014-04

Data Architecture

Add a table like the below for listing NoSQL data collections stored. This is sample data--replace it with your own:

Ref #	NoSQL Collection	Description of data collection	Source of data	Structure

Add tables like this for Relational tables:

Column Name	Data Type	Nullable	Description	PK	FK

Provide some volume / sizing information for each collection / table:

Table or Collection	Number of Rows / Entries	Estimated Size per Entry	Total Disk (minus overhead for indexes, etc)

Laws / regulations that direct the implementation of the app?

None

Expected concurrent and maximum size of the user base?

User Category	Total Number of Users	Concurrent Users
Providers	20000	7000

Interface Design

Existing VAMF Interfaces Used

(This section means VAMF services already deployed in production for this app)

Interface Name (incl. version number)	Data Used by Mobile App	Source of Data	Data Retrieved - provide specific data elements used by this app
ResourceDirectoryResource	ResourceDirectory	Health Adapter Health Adapter 3.2.2 and Authorization Services 4.0.3	
MhpUserResource	MhpUser	IAM (data captured during login), HA DB Health Adapter 3.2.2 and Authorization Services 4.0.3	
PatientResource	Patient	IAM (data captured during login) Health Adapter 3.2.2 and Authorization Services 4.0.3	

New/Updated VAMF Interfaces Added

This section should contain services that are being deployed with this app - RESTful / other web services that become part of the VAMF service inventory, but are not available in production yet.

Interface Name (incl. version #)	Data Used by Mobile App	Source of Data	Included in Program-Level SDD?
None	N/A		

For all services not currently in the Program-Level SDD, provide the documentation here that should be included - services, request data, response data, etc.

N/A

Dependencies/SLA

For example, you are reliant on a VA system to implement something for you, including supporting testing:

Project Dependency	Point of Contact Information	Describe Dependency
Webservices		Webservices are needed for the push/pull and authentication
MVI		Patient ID Correlation services

Traceability

EPIC	FEATURE	USER STORY	DESIGN COMPONENT
See Skin Assesment RTM	Skin Assessments		

Developer & PM Contact Information

Developer Name/Point of Contact (POC)	VA E-Mail Address	Phone Number
Developer Organization/Company	Contract Start Date	Contract End Date

Agilex	September 26, 2012	September 25, 2014
Web and Mobile Solutions PM or POC	VA E-Mail Address	Phone Number
██████████	██████████████████	██████████
VA Product Development PM or POC	VA E-Mail Address	Phone Number
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