OSEHRA
Open Source Electronic Health Record Agent

OSHERA M-Code Primary Developer Checklist – v0.5 (DRAFT)

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Prepared for:
Department Of Veterans Affairs

Prepared by:

tiag™ *The Informatics Applications Group*

Document Version Control

Revision	Editor	Date	Changes

DRAFT

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Overview

This document describes the set of checks that a Primary Developer should perform as part of the process of preparing a code contribution to be included in the OSEHRA code base. Primary developer is the developer who is addressing an issue or a feature request that has been reported in the OSEHRA JIRA issue tracker. A primary developer can also be the contributor of an entire new module that is intended to be shared with the community, or to be included as part of the OSHERA code base. This second type of larger contribution is expected to be submitted to the OSEHRA Technical Journal.

This current OSEHRA document is and adaptation of the *"M-Code Primary Developer Review Checklist"* used by the Product Development team at the Department of Veterans Affairs. Changes are very minor and are mostly intended to adapt to the software tools and procedures that have been setup for OSEHRA.

Primary developers are expected to perform the verifications listed in this checklist, as they prepare their code submission, and to fill-up the entries in the checklist accordingly. The processed checklist must be included in a read-only format (for example a PDF document) as part of the code submission. Completed forms should be saved with the "Save As" option and uploaded to JIRA.

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Checklist

This document describes the set of checks that a primary developer should perform as part of the process of preparing a patch to be submitted for integration in the OSEHRA code base.

It is the developer's responsibility to complete the checklist and assure that is sent along with the code contribution to the OSEHRA Software Quality Assurance venues, in particular to:

- The OSEHRA Gerrit code-review system, or to
- The OSHERA Technical Journal.

JIRA Number:	Test Version:
Completed by:	Date Checklist Completed:

	Primary Developer's Checklist	Pass/Fail	Entries labeled NA requires comments
1	Request and receive approval from the DBA for all Data Dictionary (DD) changes before the patch is sent to SQA.		
2	Request and receive approval from the DBA for all new or updated Integration Control Registrations (ICRs) before the patch is sent to SQA.		
3	Request and receive approval from the HL7 Messaging Coordinator, if applicable, before the patch is sent to SQA.		
4	Review all necessary components of the patch for compliance with the Department of Veterans Affairs M Programming Standards and Conventions (SAC).		
5	Run ^XINDEX before creating the build and check for errors that might be reported. You may want to optionally run ^%RCHECK.		
6	Update the OSEHRA Patch Module Repository with all necessary information and latest build.		

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	Primary Developer's Checklist	Pass/Fail	Entries labeled NA requires comments
7	Install the patch from the OSEHRA Patch Module in another account to verify the build installs correctly. This includes, but is not limited to, the following items: • No errors upon installation. • Environment Checks are successful. • Pre-Installation Routines are successful. • Post Installation Checksums match the OSEHRA Patch Module patch description. • ^DDs are updated correctly. • Menus and Options are updated correctly. • Other components are installed correctly. • Data Conversions are successful. • Post Installation functions are successful. • ad hoc testing of affected package options and functions performed after installation is successful.		
8	Validate that the installation instructions are accurate in the Installation Guide and/or Patch Description.		
9	Create the patch-tracking message on OSEHRA JIRA. Include the test sites, SQA Analyst, the OED Release Coordinator, and other team members.		
10	Complete the Product Component Testing phase, including a test of all modifications. A capture of the test results is required. A copy is submitted to the Project Manager and if requested to SQA.		

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	Primary Developer's Checklist	Pass/Fail	Entries labeled NA requires comments
11	Upon completion, the following items will be submitted to the OSEHRA JIRA ticket: • Primary Developer Checklist • Data Dictionary Approval Message • Location of the host file, if being released via a host file • Installation Guide (when applicable) • HL7 Messaging Approval (when applicable) • OED Testing Service Report (when applicable) The Project Manager will notify the Second Developer or SQA that the patch is ready for review via OSEHRA JIRA.		

Notes

- OSEHRA Patch Module Repository: code.osehra.org/files/patches
- OSEHRA Technical Journal: http://code.osehra.org/journal
- OSEHRA Git Repository: http://code.osehra.org/gitweb
- OSEHRA Gerrit Code Review: http://review.code.osehra.org

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