

All Hazards Risk Assessment (AHRA) High Level Impact Assessment Migration to SharePoint 2013

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Retention Requirement: This document shall be read-only once approved except when authorized by Change Request. This document shall remain a permanent project artefact.

Distribution for Review and Approval:

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(Note: Persons listed below, have provided comments on content and/or contributed material that is included in this document)

Name	Project Role

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1 Document Purpose and Use

1.1 Background

The All Hazards Risk Assessment (AHRA) site exists currently as a sub-site in the CSS-TOP site collection.

The AHRA site consists of page and document libraries, several lists, two InfoPath 2010 document libraries, and a Visio Web Drawing navigation page. The site uses all out-of-the-box SharePoint components and web parts, with only the InfoPath forms being custom development. The InfoPath forms are deployed at the site collection level by the CSS-TOP/OCIP/SAR-KMS Farm Administrators.

The current site is developed in Microsoft's SharePoint 2010 and AMITA Corporation (AMITA) has been contracted to provide a High-level impact assessment of the migration and upgrade SharePoint 2013.

1.2 Purpose

This document presents the high level impact analysis performed to identify dependencies and to provide input required for the CSS Upgrade Planning.

1.3 Audience

The target audience for this document is

- AHRA Technical Authority: Use this Document to understand the scope of the re-design/conversion effort.
- AMITA's technical team: Use this Document to understand the approach in the event that AMITA is contracted to implement the upgrade.

1.4 Scope

The scope of the high level impact analysis is defined as follows:

- a. Port existing AHRA site into a laboratory instance of a SharePoint 2013 farm in 2010 compatibility mode, and observe functionality.
- b. Upgrade to laboratory instance to SharePoint 2013 and observe functionality.

SharePoint 2013 introduces dependencies and infrastructure requirements that need to be assessed at the farm and CSS-TOP site collection levels. These dependencies and resource requirements are excluded from this high level assessment of AHRA.

1.5 Constraints

Note that since AHRA is part of the CSS-TOP Site Collection and associated Content Database, it must be migrated as part of the CSS-TOP migration process.

The analysis function of AHRA is excluded from this assessment. The analysis function was not available at the time of this writing as the feature failed to work in the application developers' development and test environments, and the source code was no longer available to the CSS Technical Authority, who in turn could not make the source code available to AMITA for assessment and/or remediation.

2 Review Findings

AMITA's review of the present AHRA found that the AHRA site as currently deployed is fully compatible with SharePoint 2013, and requires no code changes in order to operate in the new environment. Support for InfoPath 2010 forms is provided natively in SharePoint 2013.

2.1 Upgrade to SharePoint 2013 Reverse Compatibility Mode

The following steps describe the general process for upgrading AHRA to SharePoint 2013.

1. Configure HRE SharePoint 2013 Farm
2. Configure CSS-TOP Web Application
3. Ensure Visio Graphics Service is deployed and configured in the Farm
4. Import custom InfoPath forms and deploy to Farm and CSS-TOP web application
5. Migrate CSS-TOP Content Database to the new farm using the attach Content DB process
6. Convert the CSS-TOP Web Application to Claims Based authentication
7. Migrate all CSS-TOP users to claims based users
8. Test all AHRA functionality, including Visio navigation, InfoPath form creating and editing, and perform high-level review of pages and lists on the AHRA site.
9. At this point, the AHRA site will be running in the SharePoint 2013 Farm in 2010 compatibility mode, and should be fully functional as before.

2.2 SharePoint 2013 Visual and Functional Level Upgrade

Converting the AHRA site to a full SharePoint 2013 native site must take place as part of the CSS-TOP Site Collection upgrade.

In the Lab environment, the AHRA site appears to be fully functional once upgraded to SharePoint 2013 functional level. The look and feel is upgraded as well as part of this process, with new themes available through standard SharePoint 2013 features.

AMITA's testing assessment was limited to applying the default SharePoint 2013 theme. The suitability of the updated look and feel is subject to the CSS AHRA Administrator assessment and ultimate approval, and further development work may be required in order to make the site visually acceptable to end users.

3 Resources

The results of the high level impact assessment of a migration to SharePoint 2013 for AHRA indicate that the technical effort to transition AHRA as it exists at the time of this writing is limited.

Ongoing support and maintenance activities will require an indeterminate number of person days of effort for the application once it is in use in any pilot and/or production model.

3.1 Schema Upgrade to SharePoint 2013 Reverse Compatibility Mode

The 2010 Compatibility (2013 Reverse Compatibility) mode is achieved as part of the CSS-TOP site collection upgrade.

The high level laboratory test to upgrade the CSS-TOP site collection to SharePoint 2013 Reverse Compatibility mode produced a functional AHRA test sub-site with approximately 2 person days of effort for technical resources (excludes Project management planning, coordination, and AHRA business owner functionality testing). Deploying the InfoPath forms and AHRA specific testing is forecast to be less than 1 person day of effort for technical resources (excludes Project management planning, coordination, and AHRA business owner functionality testing).

The laboratory test did not include exhaustive functional and/or regression testing and as such the incremental effort required to remediate any functional defects that may be identified during such detailed testing remains indeterminate at the time of writing.

The impact to other Sub sites and migration efforts beyond AHRA have not been investigated as part of this Task Authorization.

3.2 Visual and Functional Upgrade to SharePoint 2013

The upgrade to native 2013 functional level is an automated process performed by the site collection administrator.

The high level laboratory test conducted for this assessment produced a functional AHRA site requiring no further technical actions assuming that default SharePoint templates will meet the users' needs. However, the post upgrade look and feel may require additional effort to create CSS templates as necessary to achieve the appearance and navigation that the AHRA application administrator desired for the application.