**Hazardous Materials Information Review Act (HMIRA) Project**

**Requirements Assessment against Drupal capabilities**

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| **Description**  Under the *Hazardous Products Act* (HPA) and *Hazardous Products Regulations* (HPR), suppliers are required to disclose the chemical name and concentration of hazardous ingredients in their products on safety data sheets (SDSs). The *Hazardous Materials Information Review Act* (HMIRA) allows suppliers and employers to submit claims for exemption from this requirement if the ingredient and/or concentration is considered confidential business information. Health Canada also reviews the SDS associated with the product to determine compliance with the HPA and HPR. Health Canada is currently required by HMIRA to publish information about claims for exemption in the Canada Gazette. In addition, a list of active claims for exemption is published on the Health Canada website.  Amendments to the HMIRA, which received Royal Assent on June 21, 2019, removed the requirement to publish information in the Canada Gazette as a means of communicating to stakeholders. Therefore, a new means of publishing this information is required. There is a lack of searching capability for information published in the Canada Gazette, published in HTML and PDF format only, which makes it difficult for workers, stakeholders and the public to locate information about claims for exemptions for hazardous products. In addition, publishing information in Canada Gazette is costly, in 2019-20 more than $100 000 was spent, and is an administrative burden on the program to prepare the publication. Workers and employers need to be able to readily search and access information on hazardous products that are being used in the workplace. Publication of the corrective measures from an Order issued to the claimant would improve transparency and communication to ensure safety of the workers using a product with a non-compliant SDS. | | |
| **Requirement Number** | **High Level Requirement** | **Drupal Capabilities** |
| REQ-1 | Web publishing: Data Structure | Yes, details are required for each field and which one are anticipated to be added later. Flexibility has to be built-in |
| REQ-2 | Web Publishing: Update existing claims | Yes |
| REQ-3 | User access: Publicly accessible | Yes |
| REQ-4 | Data retrieval and analysis: Search on any fields and in any combination | Yes...Drupal has search capabilities but Solr can be configured for more robust queries, and provides better performance. It would help to identify search features |
| REQ-5 | Data retrieval and analysis: Export to Excel | Yes, Drupal has an excel export module, but multiple value field types require additional configuration |
| REQ-6 | Data Transport: Data Import from CSV file produced by Lotus Notes or RADAR | Yes, but need the data structure of the imported data in order to match it to the system’s data structure. The Contribute module is used for data imports. |
| REQ-7 | Data Transport: Manual data entry of SDS | Yes...same as REQ-1 |
| REQ-8 | Web Publishing: Publish Claims after approvals | Yes |
| REQ-9 | Web Publishing: Scheduled publication - 40 days after decision or order | Yes |

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| **Non-Functional Requirement Number** | **High Level Requirement** | **Drupal Capabilities** |
| NFR-1 | Availability | Yes, the definition of 24/7 needs to be defined |
| NFR-2 | Bilingual Interface | Yes, the user can toggle as well as indicate their language preference within their account profile |
| NFR-3 | Business Continuity | What BCP level 2? Most likely |
| NFR-4 | Capacity | Outside of Drupal, links to architecture design |
| NFR-5 | Concurrent User | Yes, this is determined by the architecture design mostly |
| NFR-6 | Flexibility | Yes, but need a better definition of minor changes |
| NFR-7 | Extensibility | Yes |
| NFR-8 | Search Performance | Yes but the Solr search engine could be used increase search performance |
| NFR-9 | Portability | Yes, Drupal is mobile friendly from the get-go |

**Other Canadian Government Departments who uses Drupal**

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| Prime Minister of Canada | live | <https://pm.gc.ca/> |
| Open Data Canada - data.gc.ca | live | <https://open.canada.ca/> |
| Public Works and Government Services Canada (PWGSC) - Buy and Sell | live | [https://buyandsell.gc.ca](http://buyandsell.gc.ca/) |
| Royal Canadian Mounted Police (RCMP) | live | [https://rcmp-grc.gc.ca](http://rcmp-grc.gc.ca/) |
| Ministry of Transport, Infrastructure and Communities - Canada Lands Company (CLC) | live | [http:///www.clc.ca/](http://www.clc.ca/) |
| Office of the Public Sector Integrity Commissioner of Canada | live | <http://www.psic.gc.ca/> |
| Canadian Museum For Human Rights | live | <http://www.humanrightsmuseum.ca/> |
| Canadian Tourism Commission - Destination Canada | live | <http://en.destinationcanada.com/> |
| Canadian Tourism Commission - Keep Exploring | live | <http://us-keepexploring.canada.travel/> |
| Canadian Museum of Nature | live | <http://nature.ca/> |
| Canadian Transportation Agency | live | <http://www.otc-cta.gc.ca/> |
| Natural Resources Canada (NRCan) | live | <http://oee.nrcan.gc.ca/> & <http://geoapps.nrcan.gc.ca/> & <http://www.nrcan.gc.ca/earth-sciences/> |
| Department of National Defence (DND) | live | Intranet only |
| Statistics Canada | live | Intranet and parts of <http://www.statcan.gc.ca/> |
| Canada School of Public Service | live | Intranet only |
| Canada Police College | live | [http://www.cpc-ccp.gc.ca](http://www.cpc-ccp.gc.ca/) |
| VIA Rail | live | [http://www.viarail.ca](http://www.viarail.ca/) |
| Telefilm Canada | live | [http://telefilm.ca](http://telefilm.ca/) |
| Pier 21 | live | [http://www.pier21.ca](http://www.pier21.ca/) |
| Canadian Security Intelligence Service | live | [http://csiscareers.ca](http://csiscareers.ca/) |
| Communications Security Establishment (CSE) | live | <http://www.cse-cst.gc.ca/> |
| Nation Research Council Canada (NRC) | live | Intranet |
| Health Canada | live | Intranet MySource  Public Release of Clinical Information (PRCI) external:  <https://clinical-information.canada.ca/search/ci-rc>  PRCI internal: <https://prciwts-en.hc-sc.gc.ca/en/>  DHPID...a system within HPFB |
| New Democratic Party of Canada | live | <http://www.ndp.ca/> |
| Green Party of Canada |  |  |

From <<https://groups.drupal.org/government-sites>>