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## Annex A - List of Approved Content Management Systems (CMSs)

This document is an annex to the Government Web Hosting Service (GWHS) Memorandum Circular.

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### Purpose

This document contains the list of approved Content Management Systems (CMSs) and their technical capabilities.

### Scope

Specifically, this document shall cover the following:

- A) List of approved CMSs
- B) Capabilities and functionalities of the approved CMSs
- C) Matrix for the technical features of the approved CMSs

### Issuing Authority

The security audit procedure has been developed and issued by the Department of Science and Technology’s Information and Communications Technology Office (DOST-ICT Office) and Advance Science and Technology Institute (DOST-ASTI), through the iGovPhil Project.

### Contact Information

Policies and associated publications under iGovPhil Project can be found at <http://i.gov.ph/>.

Queries, suggestions and clarifications with regard to this policy may be forwarded to [inquiry@i.gov.ph](mailto:inquiry@i.gov.ph).



## 1. List of Approved Content Management Systems (CMSs)

The CMSs approved or prescribed by the Department of Science and Technology-Information and Communications Technology Office (DOST-ICT Office) for use by government agencies in publishing, editing and modifying content, and for maintaining their websites under the Government Web Hosting Service (GWHS), include the following:

- 1.1 WordPress
- 1.2 Joomla
- 1.3 Drupal

## 2. Technical Features of the Approved CMSs

Discussed below is the list of the specific capabilities and functionalities of the prescribed CMSs.

### 2.1 Features of WordPress<sup>i</sup>

#### 2.1.1 Simplicity

This feature makes it possible for the publishers to get online and published quickly.

#### 2.1.2 Flexibility

With WordPress, one can freely create any type of website – a government website, a news website, a network of websites, etc. It is also possible to extend a website with plugins.

#### 2.1.3 Publish with Ease

With WordPress, one can speedily create posts and pages, format them easily, and with the click of a button, the content is live on the web.

#### 2.1.4 Publishing Tools

It is easy to manage content with WordPress. Administrators can create drafts, schedule publication and look at their post revisions. Content can be made public or private. Posts and pages can also be made secure with a password.

#### 2.1.5 User Management

With this platform, it is possible to have a variety of contributors to a website. Administrators can manage the site, editors can work with the content authors and contributors can write the content.

#### 2.1.6 Media Management

It is easy and quick to upload images and media to WordPress. To add images and media, one can just simply drag and drop them into the uploader. It is also possible to add text, titles, and captions.



### 2.1.7 Built-in Comments

The comment tools of WordPress can be used to moderate a discussion. Comments serve as a way for users to engage with the website's content.

### 2.1.8 Search Engine Optimized

WordPress allows Search Engine Optimization (SEO) control. It is also possible to install SEO plugins to a website.

### 2.1.9 Multilingual

WordPress supports more than 70 languages.

### 2.1.10 Easy Installation and Upgrades

It is easy to install and update WordPress. There are plenty of web hosts offering software that installs WordPress in just one click.

### 2.1.11 Importers

This platform comes with importers for bloggers, LiveJournal, Movable Type, TypePad, Tumblr and WordPress.

### 2.1.12 Own Your Data

With WordPress, no one has access to publisher's data. The publisher owns the website, content and data.

### 2.1.13 Freedom

Administrators have the freedom to use the platform in any way they choose: install it, use it, modify it, and distribute it. WordPress is available under the General Public License, which is free.

### 2.1.14 Community

This platform has a vibrant and supportive community, since it is a popular open source CMS on the web. One can learn more about WordPress through tutorials, WordCamp or Meetup, blog post, and other means.

### 2.1.15 Contribute

Administrators and users can freely participate in answering queries on support forums. They can also write documentation, speak at a WordCamp, or blog about WordPress.



### 2.1.16 Full Standards Compliance

WordPress is in compliance with the standards set by the W3C. This means that a website using this platform is compatible with today's browsers.

### 2.1.17 Easy Theme System

WordPress lets publishers choose from thousands of themes in a directory or upload their own with just one click of a button.

### 2.1.18 Extend with Plugins

WordPress comes with directories that contain thousands of plugins that can be downloaded and installed.

## 2.2 Features of Joomla<sup>ii</sup>

### 2.2.1 User Management

This platform has a registration system that allows users to configure personal options. It has nine user groups with different types of permissions on what users are allowed to access, edit, publish and administer. Joomla also supports multiple protocols, e.g., Gmail, OpenID, LDAP, which allow users to use their existing account information to streamline the registration process.

### 2.2.2 Media Manager

This tool is used to easily manage media files and folders. It is also integrated into the Article Editor tool, so grabbing images and other files is easily done at any time.

### 2.2.3 Language Manager

Multiple languages are possible with Joomla as it supports many world languages and UTF-8 encoding.

### 2.2.4 Banner Manager

With the Banner Manager tools, setting up banners is easy.

### 2.2.5 Contact Management

This tool serves as an aid to find a particular person and contact information. This tool also supports multiple contact forms.

### 2.2.6 Polls

Users can create polls with multiple options quickly with Joomla.



### 2.2.7 Search

This particular tool helps the users find the most popular searched items. It also provides the administration with search statistics.

### 2.2.8 Web Link Management

With this feature, providing link resources for site users is made simple. Users can also sort these link resources into categories with this tool.

### 2.2.9 Content Management

Joomla has simplified three-tiered system of articles. This makes organizing the content easily. With this feature, administrators can archive content for safekeeping.

To create content or combine text and images, Joomla has the WYSIWYG editor to make this task quickly and efficiently.

### 2.2.10 Syndication and Newsfeed Management

With Joomla, syndicating the site content, integrating RSS feeds from other sources, and aggregating them all on the site is simple.

### 2.2.11 Menu Manager

This feature allows the publisher to create menus and menu items that can be structured in a menu hierarchy. It is possible to generate menu in any style – rollovers, dropdown, flyouts, etc. To help navigate users, automatic breadcrumbs can also be generated.

### 2.2.12 Template Management

It is possible to customize each site page. It can be a single template for the entire site or a separate template for each site section.

### 2.2.13 Integrated Help System

This platform has a built-in help section. It contains the following: glossary, version checker, system information tool, and links to a wealth of online resources for additional help and support.

### 2.2.14 System Features

Joomla has the following system features:

**Page caching, granular-level module caching and GZIP page compression for speedy page loads.**

**Debugging mode and error reporting to troubleshoot an issue.**



FTP Layer for file operations (like installing Extensions).

Private Messaging and Mass Mailing System for administrators to quickly and efficiently communicate with users.

### 2.2.15 Web Services

With this feature, users can use Remote Procedure Calls (via HTTP and XML) as well as integrate XML-RPC service with the Blogger and Joomla APIs.

### 2.2.16 Powerful Extensibility

This platform has Joomla Extensions Directory that features thousands of ways to enhance or customize Joomla.

## 2.3 Features of Drupal<sup>iii</sup>

### 2.3.1 Organize and Find

Drupal has tools that help users organize, structure, find, and reuse content. This feature also enables users to create friendly path URLs, custom lists, smart defaults for content creators as well as associate content with other contents on the site.

### 2.3.2 Administer

This platform comes with great options for new user accounts and user permissions. With this feature, it is possible to assign one or more roles to users; each role can be set up with fine-grained permissions allowing users' view and create only what the administrator permits.

### 2.3.3 Collaborate

With Drupal, users can create sites and applications to help express their opinions and engage with one another. This feature allows them to have a tight control over who can create, view, administer, publish and interact with content on a website.

### 2.3.4 Build

With Drupal, building internal and external-facing websites is simple and quick with no custom programming. There is no need to start from scratch when building a new site, since one can use a multi-site configuration or choose a Drupal distribution (installation profile).

### 2.3.5 Extend

To date, Drupal has already more than 16,000 available modules.

### 2.3.6 Creative Content

Drupal has a web interface that is user-friendly. With specific features like robust user management, menu handling, real-time statistics and optional revision control, users can handle countless content types. These include text, video, blog, podcasts, and polls.

### 2.3.7 Design and Display

It has a presentation layer that aids in creating highly usable, interactive experiences. With Drupal, users can also design their own theme that others can use as well.

### 2.3.8 Connect

Using aggregation, feeds and search engine connection capabilities, it is easy to connect a website to other sites and services over the Internet. Drupal also supports social networking integration. It is also possible to interact with external media and file services.

## 3. Matrix for the Features / Capabilities of the Approved CMSs

Features / Capabilities	WordPress	Joomla	Drupal
Simplicity	✓	✓	✓
Flexibility	✓	✓	✓
Publish with Ease	✓	✓	✓
Publishing Tools	✓	✓	✓
User Management	✓	✓	✓
Media Management	✓	✓	✓
Built-in Comments	✓	✓	✓
Search Engine Optimization	✓	✓	✓
Multilingual	✓	✓	✓
Easy Installation and Upgrades	✓	✓	✓
Importers	✓	✓	✓
Own Your Data	✓	✓	✓
Freedom	✓	✓	✓
Community	✓	✓	✓
Contribute	✓	✓	✓
Full Standards Compliance	✓	✓	✓
Easy Theme System	✓	✓	✓
Extend with Plugins	✓	✓	✓
Banner Manager	✓	✓	✓
Contact Management	✓	✓	✓
Polls	✓	✓	✓
Search	✓	✓	✓
Web Link Management	✓	✓	✓
Content Management	✓	✓	✓



Syndicating and Newsfeed Management	✓	✓	✓
Menu Manager	✓	✓	✓
Integrated Help System	✓	✓	✓
Page caching, granular caching and GZIP page compression	✓	✓	✓
Debugging mode and error reporting	✓	✓	✓
FTP Layer	✓	✓	✓
Web Services	✓	✓	✓





## Revision History

Version	Releasing Date	Author	Status + Description
1.0	November 14, 2013	iGovPhil Project	
1.1	November 18, 2013	iGovPhil Project	Revised the flowchart; added some sections
1.2	November 26, 2013	iGovPhil Project	Incorporated the comments from Mr. Raymond Nunez; Updated the workflow
1.3	November 30, 2013	iGovPhil Project	Divided the Annex A into two: List of Approved CMSs (Annex A) and CMS Qualifying Procedure (Annex B)
1.4	August 7, 2014	iGovPhil Project	Removed custom platforms in the technical specifications of CMS.
1.5	November 12, 2014	iGovPhil Project	Changed the letterhead.

<sup>i</sup> <http://wordpress.org/about/features/>

<sup>ii</sup> <http://www.joomla.org/core-features>

<sup>iii</sup> <https://drupal.org/features>