

A1.2 CMS Functional Matrix

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
A1.2 Content handling															
A1.2.1 Language support															
Double byte Content support. Particularly important for Asian languages; such as Korean, Chinese and Japanese.	Supports distributionl of content in multiple languages, across internal and external systems, applications, and user communities.	Appears to support.	Appears to support. Support of extended Character sets using Unicode, such as for entry and rendering of chinese, Japanese etc.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	The product is also inter-nationalised in some languages: "an interface menu is provided in six different languages. The languages offered are English, French, German, Hungarian, Italian and Polish. "	Appears to support this feature. All content is stored as XML with UTF-encoding. UTF-supports multiple byte Unicode character encoding for languages such as chinese, Korean, and Japanese, but not necessarily legacy double-byte formats.	Limited where MySQL database is the used.	Appears to support.	Appears to support.	Appears to support.
Unicode content support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Sytadel uses XML UTF-encoding; and should in principle support UTF-16 / Unicode. May depend on the underlying XML infrastructure.	Yes, but could be limited by the underlying database chosen.	Yes, but could be limited by the underlying database chosen.	Yes, but could be limited by the underlying database chosen.	Yes, but could be limited by the underlying database chosen.
Clear separation of metadata, content items and presentation layout.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. content, metadata, and presentation are stored separately.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All content stored as XML.	Yes, but changes to content document structure require relational db changes	Appears to support.	Appears to support.	Appears to support.

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Templating allows the Componentisation of page elements into templating structures.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Through the use of nested templates, or included Components.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Micro-content architecture.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Templating cleanly separates data capture forms from the presentation templates.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Editing forms completely independent of presentation transformations.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Data capture uses XML-based forms.	Appears to support this feature. Embraces all major technology standards including industry specific XML variations.	Appears to support this feature.	The seamless integration of DOM, SAX into ObtreeScript simplifies the interpretation and processing of XML.	May be possible through the new web services interface.	Appears to support this feature. TeamSite Templating is XML based.	Inter-Publish has its on form ontological editor. Sites published from Inter-Publish can use XML-based forms for content capture.	Appears to support this feature. Forms render in HTML in the browser, but capture XML data	No	Appears to support this feature.	No	No, although their XML engine appears to have the equivalent function.	No	With scripting	With scripting	With scripting
A1.2.2 Content definition															
Provide a means of flexibly identifying the content elements that comprise a document	Appears to support.	Appears to support.	Appears to support.	Appears to support.	With the use of VisualTemplate Builder, part of Interwoven TeamSite.	Supports this feature. Inter-Publish has its on form ontological editor that allows Fully user-definable Content elements	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Sophisticated mechanisms to relate Content items to each other, building mass customised page views.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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Support validation of documents against a DTD or document Schema	Supported within the ECM platform.	Appears to support.	Appears to support.	Possibly thorough web services interface.	Appears to support. DTDs are used to define Content to be captured.	No	No	No. Importing an XML document does not appear to be supportedis not currently supported	No.	Appears to support.	Appears to support. All data entry is validated against the XSD for the content type.	Appears to support.	No	No	Appears to support.
Enable end-user maintenance of the document structure and flexible definition of new elements without technical intervention	Appears to support.	Appears to support.	Appears to support.	UI is clean and easy.	With the use of Visual Template Builder, a Dreamweaver plugin.	Supports this feature. Inter-Publish has its on form ontological editor. Sites published from Inter-Publish can use XML-based forms for content capture.	Appears to support. Database support for multimedia encoded documents	Appears to support. Database support for multimedia encoded documents	No.	Appears to support.	Their "Micro-content" architecture allows new page templates to be created which bring together new elements. New individual content types can be created.	Appears to support this feature but process can be complex.	Appears to support.	Appears to support.	New document structures can be create on the fly but UI not simple.
A1.2.3 Database support for multimedia encoded documents															
Images can be managed through the CMS database	Appears to support. Universal content repository which manages all content types including documents, images, web pages, engineering drawings, discussion threads, e-mail, audio, video, and computer code.	Appears to support.	Appears to support. All data and functions of the web site are centrally managed as objects in the database repository.	Appears to support.	Appears to support. Stored as part of the TeamSite DAM Solution.	Supports this feature. Inter-Publish can serve images to most popular tools that support either WebDAV or FTP	Has an alternative approach. Images are managed through the application but are stored externally (file system or 3rd party Document mgt system)	Appears to support.	Appears to support.	Appears to support.	Appears to support. Image Content type	Through commercial plugins	No	No	Principally text-oriented.

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Audio can be mgt through the CMS database	Appears to support. Universal content repository which manages all content types including documents, images, web pages, engineering drawings, discussion threads, e-mail, audio, video, and computer code.	Appears to support.	Appears to support. All data and functions of the web site are centrally managed as objects in the database repository.	Limited	Appears to support. Stored as part of the TeamSite DAM Solution.	Supports this feature. Inter-Publish can serve images to most popular tools that support either WebDAV or FTP	Has an alternative approach. Audio files are managed through the database but are stored externally	Appears to support.	Appears to support.	Appears to support.	No	Limited.	Limited.	Limited.	Principally text-oriented.
Video can be mgt through the CMS database	Appears to support. Universal content repository: Manages all multimedia resources	Appears to support.	Appears to support. All data and functions of the web site are centrally managed as objects in the database repository.	Limited	Appears to support. Stored as part of the TeamSite DAM Solution.	Supports this feature. Inter-Publish can serve images to most popular tools that support either WebDAV or FTP	Has an alternative approach. Video files are managed through the database but are stored externally	Appears to support.	Appears to support.	Appears to support.	No.	Limited.	No	No	Principally text-oriented.
A1.2.4 Database support for multimedia encoded documents															
Automatic image thumbnails and image sizing	Appears to support.	Appears to support.	Appears to support.	No	Appears to support. Rich media manipulation is a feature of the TeamSite DAM Solution.	Supports this feature.	Supports resizing but not automatic thumbnails.	Appears to support.	No.	Appears to support.	No. can be provided through interface with external software	Looks like they offer commercial plugins for this	No	No	No
Supports automatic generation of image thumbnails	Appears to support.	Appears to support.	Appears to support.	No	Appears to support.	Supports this feature.	No.	Appears to support.	No.	Appears to support.	No.	Looks like they offer commercial plugins for this	No	No	No

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Supports dynamic generation of images based on template-rules for image sizing	Appears to support.	Appears to support.	Appears to support.	No	Workflows can be used to adjust image sizes. TeamSite MAM Solution also makes images available in various formats/resolutions.	No. This feature is scheduled for May 2003	Has an alternative approach. Using libraries such as Image Magic, this would be possible. they have successfully tested FLASH Creation on the fly	Has an alternative approach. Gravitymax has some built in image resizing capabilities, which could be extended to include auto-resizing at publish time based on the template definition.	No.	Appears to support.	No	Looks like they offer commercial plugins for this	No	No	No
A1.2.5 Complex document support															
Supports mgt and generation of SMIL documents based on text, image and video Content	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite Object Store repository Supports all content types, regardless of format.	Supports this feature.	Has an alternative approach. 3rdgen Supports other markup languages, but they have not yet implemented a SMIL	No.	No.	Appears to support.	Would require creation of a new document type and relational table support.	Supports this feature, but where multimedia assets may have to be managed externally.	Supports this feature, but where multimedia assets may have to be managed externally.	Supports this feature, but where multimedia assets may have to be managed externally.	Supports this feature, but where multimedia assets may have to be managed externally.
Ability to store multimedia content in an asset database.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Stored as part of the TeamSite DAM Solution.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All content stored in database as XML (uuencoded).	Seems to be a commercial option.	No	No	No

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A1.2.6 Website preview or staging															
Present a Fully visualised version of the Website.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite's virtualization capability allows Authors to develop and test content in the context of the live website.	The visual browser can preview the Supports this feature. website	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Sytadel websites are live at all times. All work is done in the context of the live website.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
A1.2.7 Differencing															
Enable the Author to visually QA, modified and production page as presented Web pages.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Sytadel Supports simple display of individual content items prior to publication and in context viewing through virtual staging	Appears to support this feature through staging server.	Appears to support this feature through staging server. Has a range of tools for such differencing.	Limited	Appears to support this feature through staging server, may need scripting.
Ability to review any source (including source application code) with differences highlighted.	Appears to support.	Appears to support.	Appears to support.	Some differencing but limited	TeamSite provides both visual and source differencing tools.	No. Difference highlighting not yet available. Happy to implement	No	No.	No. But does have strong Version control. No support for difference highlighting at present.	Appears to support.	All content can be reviewed in the maintenance screens. These include a difference tool	No.	Has strong differencing - whether it works well at the code	No.	A number of projects are extant exploring xml differencing.
Source Differencing- provides a line-by-line Comparison of the source of any page.	Appears to support.	Appears to support.	Appears to support.	No	Appears to support. See 4	No.	No	No.	No	Appears to support.	Uses colour highlighting to indicate differences between versions.	No.	Yes, appears to support.	No.	No.

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A1.2.8 Concurrent authoring															
Ability to accept and merge specific html changes prior to production submittal.	Appears to support.	Appears to support.	Appears to support.	No	This is part of the TeamSite merge function.	No.	No	No.	No.	Appears to support.	No.	No.	No.	No.	No.
Track which Authors are changing a particular file and informs Authors when a file is being concurrently changed.	Supported through the underlying Records Manager .	Appears to support.	The document manager functionality SupportsApp ears to support. record logging of Authors.	No	TeamSite's underlying flexible locking mechanism ensures file integrity across WorkAreas. Authors are notified if the file is currently locked.	Supports this feature.	Has an alternative approach. 3rdgen locks a file so that only one user can edit at a time (Authors can see who is currently	Appears to support.	No	The system inherently logs all changes and allocates author ids. The system is designed to lock an article when in if required	Has an alternative approach. All changes to a content item are Tracked. Sytadel does not currently warn Authors if other Authors are also editing a content item.	Appears to support.	Limited.	Appears to support.	Appears to support.
Option to review and accept changes (where two or more separate Authors are often modifying the same file)	Appears to support.	Appears to support.	Appears to support.	No	Appears to support.	Supports this feature.	Appears to support.	Has an alternative approach. Not side by side, but you can switch between new version, and published version.	No.	Appears to support.	Changes to an item can be reviewed prior to it being published. If changes are not accepted, the Version can be rejected, or a new Version created with only the acceptable changes incorporated. This is part of their content publication lifecycle.	No	Appears to support.	Appears to support.	No

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A1.2.9 Support for existing file system content															
Can serve file system content in its native hierarchy.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite's Object Store Architecture Supports current file system content in their native hierarchy.	Supports this feature.	Appears to support.	No. Not planned.	No.	Appears to support.	For record keeping purposes, all content to be under the mgt control of Sytadel must be in the database. However, existing content can continue to be served independently of Sytadel.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Drag-and-drop import of whole directory structures of asstes from a file system, including network-based resource.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Of course, depends on the size of the resources available on the TeamSite server. TeamSite does not directly manage network disks, but may manage Content that is deployed to network disks.	Supports this feature.	No limit on the number of or size of file system content under mgt, which may also include network disks.	No. Not planned.	No	No. . The system allows drag and drop of existing articles into the database. It is designed to conform to a naming convention and divides source documents up into a 4-tier parent/child structure.	No. Entirely dynamically genenerated content of the db store.	They have a plugin to do this	Yes (through Apache)	Yes (through Apache)	Yes (through Apache)
Assign a unique identifier within its repositories that is the primary means of tracking the content.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	No	Appears to support.	No	Appears to support.	All content managed within Sytadel is assigned a globally unique identifier.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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A1.2.10 Provide a framework for mgt of all content															
Support both database and file systems content, including application code within a single hybrid framework.	Appears to support this feature through database gateways.	Appears to support this feature through database gateways.	No	Appears to support this feature through web services & db gateways	Appears to support.	No.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	For content external to a Sytadel system, metadata content items can be created which then describe (but do not manage) the external content.	Requires specific scripting	Requires specific scripting	Requires specific scripting	Requires specific scripting
A1.2.11 Search capability															
Capable of complex (boolean) searches	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	The collections mgt system Supports complex search features with permanent saving of search config	No	Appears to support. At reporting and template level.	No	Appears to support.	The specifics of the search interface are conditional on the underlying search engine. Sytadel's own content querying mechanisms support Boolean logic queries.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Metadata search facilitates for efficient identification and reuse of existing content.	Appears to support.	Appears to support.	Allows any structured matadata to be created and administered for each document.	Appears to support.	Appears to support.	Supports this feature.	No	Appears to support. At reporting and template level.	Appears to support.	Appears to support.	The search engines used by Sytadel provide highly effective search results.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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A1.2.12 Provides portal-style resource management															
Has an intuitive personal-isation config that allows a user to edit and tag the asset for any personal-isation.	Appears to support.	Appears to support.	Appears to support.	Looks possible through their integration with their CMS server.	No. Teamsite is at "arms length" from the delivery engine.	No. Would depend on the personal-isation system used on the external server	Has an alternative approach. Dependant on site design and construction	Appears to support. Template tags are derived directly from Information Store.	No. Content content are currently tagged with Metadata.	Appears to support.	Appears to support. Includes simple email alerts on any content item.	Not supported	No	No	Some personalis-ation of this style.
A1.2.13 Frequently Used content History															
Allows user defined lists of common-access directories in "Favorites Folder Support" and allow a user to access to frequently used content .	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite's WebDesk interface provides a Favourites feature.	Supports this feature.	Can support this through client scripting.	No	No.The do provide a list of the last X items used.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Needs scripting.

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A1.2.14 Desktop integraton															
Has an integrated browser-UI to view content on local disk and launch for edit, upload, and submission.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	WebDesk allows local content to be uploaded into TeamSite.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Has a file uploading system. This allows many different file types to be browsed from the desktop and uploaded into the database for inclusion at the article level through the use of quicklinks.	No. All content must reside in the Sytadel system to be subject to its CMS facilities. Content can be uploaded from the user's personal files. They are considering adding WebDAV support.	Browser-based file upload	Browser-based file upload	Browser-based file upload	Browser-based file upload
AllowAuthors to select content in a workarea and simply download to local disk eliminating the need to launch files for edit.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite launchpad allows Authors to cache Content to their desktop to allow offline editing, for later submission back into TeamSite.	Through WebDAV	No	Appears to support.	No.	Appears to support. In the case of files uploaded into the system, they are stored in a directory folder on the server and handled through the file library mgt interface.	Must work through the XML store	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Every resource in the system has status the displayed, including attributes such as checked out by whom, when, where, etc.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Every resource in the system has status the displayed, including attributes such as checked out by whom, when, where, etc.	Appears to support.	No	Appears to support. All file attributes are recorded as are all changes to any article – when and who changes are made by and at what level.	Kept as metadata against their ECU-style XML	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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A1.2.15 Version control															
Supports the Version control and mgt of application code.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Code is an asset that can be managed within TeamSite.	Supports this feature.	Appears to support.	No	Looks possible in their forthcoming release.	Appears to support.	Appears to support. All application code is treated identically to other content types.	Limited	Limited	Limited	Appears to support this feature
Avoids the need for a separate Source Control Mgt (SCM) tool.	Appears to support.	Appears to support.	Appears to support.	Appears to support this feature for ASP and Javascript.	Appears to support. TeamSite also Supports the use of an existing SCM tool.	Limited. HTML and some ASP and Javascript support for testing In the context of the whole website but not for more complex scripting	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All content (including application code) is managed within the CMS, and is immediately available for testing on the website.	Looks limited on this front	Possible through scripting	Possible through their API	Possible through scripting
A1.2.16 Preview of pages in their designated style															
Preview of pages.	Appears to support.	Appears to support.	Appears to support this feature through wysiwyg & staging server.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Has an alternative approach. Sytadel is a fully dynamic web-centric system. All pages are generated "on the fly"	Appears to support.	Tiki is a web-centric dynamic model	No.	Appears to support.
A1.2.17 Dynamic generation of pages															
Dynamic generation of pages with any application server.	Appears to support.	Appears to support.	Appears to support.	Principally oriented to the Microsoft CMS server	Appears to support. Through the preparation of content in the required form, e. g. HTML, XML, HTML fragments etc.	No. Some application servers require specific interfaces for the supply of updates.	Appears to support.	Only IIS.	Appears to support.	Not supported	No.All pages are dynamically generated using Sytadels server.	Mainly aimed at Apache	Mainly aimed at Apache	Mainly aimed at Apache	Mainly aimed at Apache

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Personalisation ability to provide a highly dynamic and tailored experience.	Appears to support.	Appears to support.	Appears to support.	Some personalisation capability through Microsoft CMS server.	Appears to support. For example, currently installed at sites using ATG, BEA, IBM, Broadvision, and other personal-	Not "out of the box" but could coordinate with a personalisation engine	Has an alternative approach. Depends on site design parameters	Appears to support.	No. Some tailoring is provided but From discussion with the supplier such personalisation is said to be imminent.	Appears to support.	Appears to support. Sytadel incorporates personalisation features such as email alerts but not web based.	Limited but some functions available.	Has integrated personalisation engine.	Has integrated personalisation engine.	A number of personalisation projects, including strong direction to xml based personalisation.
A1.2.18 Template capabilities															
Supports templates nesting with a parent-child relationship.	Appears to support.	Appears to support.	Appears to support. Templates can be nested in one another as necessary-building block principle. Parent child relationship.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Sytadel incorporates its own page definition templating language which allows templates to be nested.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Unlimited nested templating and template reuse	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Page definitions can be reused, and page definition components can be used in multiple places.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
A1.2.19 Workflow metadata															
Ability to assign metadata values either by authors, editors or automatically.	Appears to support.	Appears to support.	Appears to support. Allows any structured metadata to be assigned by authors.	Appears to support.	Appears to support.	Supports this feature - has a "proforma" concept with optional mandatory fields.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Metadata can be added by anyone with appropriate permissions and can be automatically allocated.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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A1.2.20 Flexible description of content															
Ability to govern the assigning and changing of metadata by the workflow process.	Appears to support.	Appears to support.	Appears to support.	Limited workflow capability in this area.	Appears to support.	Supports this feature where workflow processes are defined.	No	No	Appears to support.	Has an alternative approach. Metadata values are easily defined for inclusion in the mgt console for each article.	Appears to support. Metadata is a content type like all other content in the system.	Appears to support.	Scripting required to achieve this.	Would require form-based scripting	Scripting required to achieve this
A1.2.21 Inclusion of components in content															
Allows Authors to insert components/component references and elements during authoring	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Componentised elements may be added/removed/moved by Authors, as designed into the template.	Supports this feature.	Appears to support.	Appears to support. Templates are made up of Views, which contain business logic and presentation in separately defined objects. Views can be nested.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Include the ability to add items to drop down lists in templates	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Where drop down lists are used within a content edit template, Authors (with appropriate permissions) Can add to the content that makes up the lists.	Appears to support.	Appears to support.	Appears to support.	Supported through scripting

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Allows in-context QA, Authors must then QA changes for the appropriate look and feel with multiple presentation templates (e. g. home page, index page).	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Captured content can be previewed through multiple brandings (presentation templates), and tested In the context of the live site.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Any changes to content edit templates can be immediately verified against existing content.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
A1.2.22 WYSIWYG AND AUTHORING															
Supports XHTML formatting	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support. Any formatting supported by the browsers	Appears to support.	Appears to support.	Appears to support.	No, they explicitly prefer HTML 2. 0 transitional syntax until more browsers support XHTML.	Appears to support.	Next version	No.	No
Supports Rich Text Formatting (RTF) and enable Authors to perform object embedding from word processors while retaining markups and formats.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Content can be dragged from existing word processors (e. g. MS Word) into the Visual Format field, retaining markup (bold etc) and formats (fonts etc)	Yes, through WebDAV interface. H68	Appears to support.	Appears to support.	No. Current version allows the importing of RTF and MS Word documents.	Appears to support.	Content from MS Office applications can be copied and pasted directly into WYSIWYG entry fields. Facilities exist to strip out non-essential existing markup and formats	Limited.	No.	No.	No

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Spell-checker & search during content editing	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Visual Format Supports spellchecker and search features, by integrating with desktop services.	Supports this feature.	No	Looks possible in their forthcoming release.	Appears to support.	Appears to support.	Standard WYSIWYG formatting can be performed, including access to spellchecking (through the Ispell browser plugin). Search and replace facilities are not currently available, but could be added if required.	Yes.	Yes.	Yes.	Yes.
Provides Authors with the ability to toggle between visual markup mode and text-markup mode.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Authors may edit the content, or the HTML directly.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. If permissions are granted the user can switch to HTML source mode if desired.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Provides Authors with the ability to preview the selected file and image from within the templating interface.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite Templating provides an integrated Preview facility.	Supports this feature - deploys the CSS derived from the layout where available during WYSIWYG editing.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	A version must be saved first and then be previewed through the content maintenance screens. While editing, WYSIWYG Content is displayed In the context of the default site CSS rendering.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Ensures templating elements can be customised at the user access or role.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature through proformas, which can be defined by userid overriding standard proformas	No	Appears to support.	Appears to support.	Appears to support.	Different edit templates can be displayed to different Authors based on roles or other optional settings.	Appears to support.	Appears to support.	No	Probably, through scripting.
Browser-based UI	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Provides an intuitive user interface with tight integration with the web based GUI.	Appears to support.	Appears to support.	Appears to support.		Appears to support. TeamSite provides a web based user interface.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All access to a Sytadel site is through a browser UI.	Elements of scripting based operation	Elements of scripting based operation	Elements of scripting based operation	Elements of scripting based operation
Authors are able to edit or create Content with just a few clicks.	Appears to support.	Appears to support.	Appears to support.		TeamSite provides URL single click access to common authoring functions	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Typically one Click.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

A1.2.23 Support for industry standard authoring tools

Support for industry standard authoring tools (eg Dream-weaver, FrontPage.	Appears to support.	Appears to support.	Appears to support.	Strong support in this area.	Appears to support. Any tool that can open and close a file can be used with TeamSite.	Supports this feature with automatic splitting of content and layout.	Appears to support.	Appears to support.	No.	Appears to support.	Sytadel is a micro-content based site that dynamically assembles pages from many individual components. All components are stored as XML, not HTML. The direct storage in XML would make such integration difficult.	No	Through manual scripting	Through manual scripting	Through manual scripting
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	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
A1.3 Workflow															
A1.3.1 Workflow features															
Workflow allows for the automatic call of link checking applications anywhere in the workflow.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature, but not from anywhere in the workflow.	No	Appears to support. Link integrity as an integral part of the information relationship mgt system.	Separate Workflow. Manager product provides scripting environment that links to any object or module. Internal links are system generated and do not need to be checked.	No. . The system does not currently provide link checking capabilities at server or browser level.	Link Checking is part of an overall content validation process, which can be carried out automatically (subject to being setup to do so) or on demand	Appears to support.	Code samples available	Limited but script examples appear to be available	Allows integration with commercial link checkers
Long documents can be split up for efficient viewing.	Not clear if this is supported.	Not clear if this is supported.	Not supported	Not supported	Appears to support. Needs appropriate config for the task at hand – not out of the box. May depend on content format.	Not automatically through single document publishing but the capability is possible through indexing.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	No. Long documents must be manually split up, or loaded as PDF or MS Word files instead.	Not supported	Not supported	Not supported	Not supported
Specific Content items can be repurposed in an unlimited number of ways.	Supported	Appears to support.	Appears to support.	Supported	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	No.		No				

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Can work with the best-of-breed attribute and content searching tools.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Can work with Verity, Inktomi, Ultraseek Verity, iPhrase, and others.	Supports this feature.	Appears to support.	Has an alternative approach. max uses automatically generated metadata index and SQL 2000 'contains' search ability to provide advanced content searching	Appears to support.	Appears to support.	Current integration with P@NOPTI C, Verity and htDig.	Good integration with Apache	Limited	Limited	Good integration with Apache
Supports an unlimited number of metadata objects per document	Appears to support.	Appears to support.	Appears to support.	Limited by column limits of relational db	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	There is no intrinsic limit to the number of metadata objects that may be related to a content item	Limited by column limits of relational db	Limited by column limits of relational db	Supported	Supported
Provides configurable security for mgt or peer review of workflow progress.	Appears to support.	Appears to support.	Appears to support. Professional Workflow module achieves this.	Not supported	Appears to support. User security controls access to workflow mgt and progress review functions.	Supports this feature in a limited manner through workflow definitions.	Appears to support.	Appears to support.	Appears to support.	The system logs andTracks all changes to text and uploads made. It allows editors to easily identify what changes have been made and submitted for approval and allocate who is in charge of every section down to the individual article level.	A Comprehensive security permissions system controls workflow activities.	Would require scripting	Would require scripting	Would require scripting	Would require scripting

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Standard Create, approval, submittal workflows.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite Comes with a range of standard workflow templates to address common approval	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Incorporation of business rules regarding multiple approvals and submittals. Any combination of serial, parallel and dependent paths may be used.	Appears to support.	Appears to support.	Professional Workflow provides assignment of conditions.	Has an event-based API for workflow that could be used with scripting for this	Appears to support. TeamSite's powerful workflow engine addresses any combination found in business rules.	Principally linear workflow, with some data-drive capability but not parallel paths.	Not supported	Not clear from document-ation.	Not clear from document-ation.	Provides a standard workflow methodology within it that creates a relationship between author and destination. The workflow is defined by the content type and who is assigned responsibility for that section.	No. Sytadel currently Supports a straightforward linear approval path for content publication.	Would require scripting	Would require scripting	Would require scripting	Would require scripting

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
A1.3.2 Workflow modelling															
Visual workflow builder that allows business managers to easily create author-approve-submit workflows that map directly onto existing approval processes.	Appears to support.	Appears to support.	Appears to support. Graphical Display and editing of workflows in Professional Workflow.	NotAppears to support. Has an event-based API	Workflow builder is a graphical tool to build workflows. Part of TeamSite.	No.	No	Not supported	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Has an alternative approach. At present the methodology allows for the Creation and mgt of all levels of editor, Author, author and administrator.	No. At present, the approval chains require understanding of the security permissions and the integration with information spaces and content types.	ACS workflow has some of these functions	Not supported but a number of workflow building products could probably be configured to interface	Not supported but a number of workflow building products could probably be configured to interface	Not supported but a number of workflow building products could probably be configured to interface
Visual workflow builder mechanism that allows Authors to drag and drop icons representing tasks (e. g. approve task) and connect them to define a process.	Appears to support.	Appears to support.	Appears to support. Graphical Display and editing of workflows in Professional Workflow	NotAppears to support. Has an event-based API	Workflow Builder is a MS Visio like tool allowing Authors to drag and drop icons	No.	No	No	No.	No. At present the methodology allows for the Creation and mgt of all levels of editor, Author, author and administrator.	No. Additional develop-ment to create a visual workflow tool is required to meet this.	ACS workflow has some of these functions	Not supported but a number of workflow building products could probably be configured to interface	Not supported but a number of workflow building products could probably be configured to interface	Not supported but a number of workflow building products could probably be configured to interface
Workflow automatically loops back changed content to the last modifier when changes are disapproved.	Appears to support.	Appears to support.	Not supported	NotAppears to support. Has an event-based API	Appears to support. Appropriately configured workflows provide any business requirement, including this	Supports this feature.	Appears to support.	Not at present	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support. Through the use of pending, approved, revised status indicators.	Has an alternative approach. Authors can review any of their rejected/disapproved content through their My Page links.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
The approver has the option to include comments describing the reasoning for the disapproval.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	No	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support.	Appears to support. Reviewers can comment on versions, items, or on their specific Content rejection/promotion action.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Edited Content automatically shows on a task to-do listing of the Editor's workarea.	Appears to support.	Appears to support.	Not supported	Not supported	Workflows are task based, and may have Content attached to them. Such content will be listed against the task when it is displayed.	Not supported	Appears to support.	No	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support.	Appears to support. Authors can review Content in any of a number of states through their My Page links.	Not supported	Not supported	Not supported	Not supported
A1.3.3 Workflow flexibility															
Workflow allows for process mapping beyond the simplistic create-approve-submit linear workflow	Appears to support.	Appears to support.	Appears to support.	Not supported	Looks like it has a strong authoring workflow element.	Supports this feature with some data-drive workflow capability	Appears to support.	Not at present.	Appears to support. Provided through the StrongPoint Workflow. Manager product.	No. Publishing workflow is predefined by the system methodology.	Sytadel provides a linear content approval lifecycle. Any number of steps may be configured, including up to virtual staging steps allowing for contextual content preview.	Supported	Supported	Supported	Supported

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Workflow allows for multiple approvals, concurrent develop-ment (i. e. text vs. graphics), etc.	Appears to support.	Appears to support.	Appears to support.	Not supported	Supported through TeamSite's collaborative develop-ment environment.	Parallel but linked approval processes notAppears to support.	Appears to support.	No	Appears to support. Provided through the StrongPoint Workflow. Manager product.	The system allows multiple Authors, multiple editors to be assigned to the various sections.	Multiple people Can approve, and multiple approvals may be required, prior to content publication. This is all configurable. Different content items can be developed and approved independently.	Parallel workflows not supported	Can be scripted	Can be scripted	Can be scripted
Provides versioning, rollback, change mgt andTracking	Appears to support.	Appears to support.	Not supported	At the document level	These are core TeamSite features.	Supports this feature at the document level	No	Appears to support.	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support.	All Sytadel content is completely Version controlled. All changes areTracked, and you can rollback to any past version.	Good integration with ACS workflow fo this	Can be scripted	Can be scripted	Can be scripted
Prompts the assignment of metadata to the content Author as part of the workflow process.	Appears to support.	Appears to support.	Appears to support.	Supported	"Interwoven believe that the best person to assign metadata is the one that knows most about the content, the Author."	No.	Appears to support.	No. Not planned.	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support.	No. "Our clients to date believe that appropriate metadata authoring is a skilled task best left to subject experts, not to ordinary content Authors."	Supported	Supported	Supported	Supported
Allows an administrator to force the assignment of metadata as a pre-requisite to approval.	Appears to support.	Appears to support.	Appears to support.	Not supported	Appears to support.	Supports this feature.	Appears to support.	No. Not planned.	Appears to support. Provided through the StrongPoint Workflow. Manager product.	Appears to support.	No. See above	Good integration with ACS workflow fo this	Can be scripted	Can be scripted	Can be scripted

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Ability to version individual pages/content components	Appears to support.	Appears to support.	Appears to support. Obtree Can version pages, objects and websites.		Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	All content items are Version controlled, and everything is stored as a content item (including members)	Through chargeable plug-ins	Full	Limited versining	Depends on scripting
Ability to Version complete Website not just components	Appears to support.	Appears to support.	Appears to support. Obtree Can version pages, objects and websites.	Not supported	Whole sets of content (eg a whole site, or subsite) can be versioned, allowing previous version to be immediately viewed, or deployed with just a few Clicks.	Technically feasible with ECU and document versioning but not implement-ed	Not supported	Versioning by Information Item publish allows snapshot of site at any date to be generated, so in that way it would be possible to allow the entire site to roll back to a specific time, but not by site edition.	Looks possible in their forthcoming release.	Appears to support.	Sytadel includes a "back in time" feature, which allows the author to browse the website at any time.	Not supported	Not supported	Not supported	Not supported
Allows Website managers to rollback to any previous edition of the Website - immediately if required.	Appears to support.	Appears to support.	Appears to support.	Not supported	Appears to support. Suitable managers can deploy previous website editions with just a few key clicks.	No.	No.	Versioning as at time of publishing and an "at moment of time" Version can be created	No. Currently supported on a page basis. When implement-ed only one user may change a content record at one time.	Not applicable - RedDot has a dynamic server and looks like it has no concept of an "edition".	All content can be rolled back to an earlier version. There is no Concept at present of a site-wide "edition".	Not supported	Not supported	Not supported	Not supported

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Ability to set up separate Author work areas.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Multiple areas can be created for Authors to author material. Each information space can use different permission control lists to control who gets to author material.	Not supported	Not supported	Not supported	Not supported
Allowing different Authors to modify content without conflicting with other Author (ie content locking)	Appears to support.	Appears to support.	Appears to support.	Supported	The collaborative WorkAreas provides this capability.	Supports this feature.	Has an alternative approach. 3rdgen locks editing to one user only, thereby avoiding any editing conflicts.	Appears to support.	Appears to support.	Appears to support.	Locking not supported - supported principally through access security.	Supported	Needs scripting	Needs scripting	Needs scripting
Allow Authors to exercise a Fully visualised version of the Website.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	WorkAreas provides a virtual copy of the production site, allowing Authors to test and QA Content In the context of the live site.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	No - is a dynamic website system.	Supported through staging server.	Supported through staging server.	Supported through staging server.	Supported through staging server.
Allows Website managers to rollback to any previous specific Components/content items.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Suitable Authors can recall previous versions of content items.	Supports this feature.	Appears to support.	Appears to support.	Appears to support. Version control, page history and roll back features are provided for content	Has an alternative approach. Allows editors to rollback to up to previous versions of content on an article by article basis.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
A1.4 Administration															
A1.4.1 Site Modelling															
Provides facilities for graphical modeling of the website structure	Appears to support.	Appears to support.	Appears to support. Provides a mechanism for displaying the previous or future appearance of a website.	Appears to support.	Appears to support. Dreamweaver (a copy is included with TeamSite) can be used to model the website structure. Other tools may also be used through the File System	No.	No	No. Not planned.	No.	Appears to support. In the form of dynamic site and page mapping	Has an alternative approach. Site maps can be generated of the topic hierarchies present within a Sytadel website. Additional work would be required to generate a complete graphical model of the content relationships.	Not supported	Not supported	Not supported	Not supported
Supports WebML	No.	No.	No.	No.	No.	No.	No	No	No.	No	No	No.	No.	No.	Some experiments in scripting to support.
Incorporates branching technology that allows project managers to develop and deploy multiple projects simultaneously.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supported	Appears to support.	No	Appears to support.	Appears to support.	Appears to support. Multiple projects can be managed through separate information spaces. Access to these information spaces can be turned on or off at will through modifying the permission control lists which apply to them.	Appears to support.	Appears to support.	Appears to support.	Appears to support.

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Provides change logs for all content, activity reports for Authors and reports for workflows in progress and completed.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. TeamSite provides a range of standard and customizable reports.	Supports this feature. Versioning history has the relevant detail and can be reported through the standard report/indexing engine.	Has an alternative approach. This feature Could be provided by interfacing to a commercially available report writer	Appears to support.	Appears to support.	Appears to support.	Appears to support. Preconfigure reports are available Sytadel which appear to cover all these aspects.	Not supported	Not supported	Not supported	Not supported
A1.4.2 Indexing of content															
Provides a content indexing engine for rule-based generation of content outputs based on the content registered in the database.	Appears to support.	Appears to support.	Appears to support.	No	No indexing engine.	Supports this feature.	Appears to support. Through 'smart pages'	Appears to support.	No.	Appears to support.	Sytadel has a topic hierarchy. Topics are related both in parent-child relationship. Content may be related to zero or more topics which can be found through: nav. to the topic; content filtering based on content or metadata and by free text search.	Partial support	Has a template-based transformation language DTML and Zope Server Pages	Many hooks through PHP but considerable bespoke scripting depending on the task.	Has many API hooks to enable transformation but may require scripting to achieve particular functions.
Indexes can be sorted and generated by all content elements/components.	Appears to support.	Appears to support.	Appears to support.	No	No, depends on integration with a database or other server which performs this function	Supports this feature.	Appears to support. Through 'smart pages'	Appears to support.	No.	Appears to support, but insufficient document-ation to determine the extent of the indexing engine	Not a strong element of the product	No integrated function but scripting-based hooks	No integrated function but scripting-based hooks	No integrated function but scripting-based hooks	No integrated function but scripting-based hooks

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Supports level indexes (a single page categorizing selected content)	Appears to support.	Appears to support.	Appears to support.	Possibly through scripting/web services	No indexing engine.	Supports this feature.	Appears to support. Through 'smart pages'	Appears to support.	Appears to support.	Appears to support.	Indexes are created according to the individual page definition templates. Any level of hierarchy display can beAppears to support.	Requires specific scripting	Some support through template inheritance, but may be limited if not bespoke programmed	Requires specific scripting	Requires specific scripting
Supports level indexes (a single index page with sub-pages containing the categorised content)	Appears to support.	Appears to support.	Appears to support.	Possibly through scripting/web services	No indexing engine.	Supports this feature.	Appears to support. Through 'smart pages'	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Supports n-level indexes (a single index page with multi-level sub-pages containing the categorised content (eg a three tier classification scheme for meta-data)	Appears to support.	Appears to support.	Appears to support.	Possibly through scripting/web services	No indexing engine.	No.	3rdgen's multi-level sub-pages containing the categorised content (eg a three tier classification scheme for metadata)) provides levels, but could be modified to provide 'n-levels'	Appears to support.	Appears to support.	Appears to support.	No.	No.	Requires specific scripting	No.	Requires specific scripting

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
A1.5 Publishing and Integration															
A1.5.1 Indexing of content															
Dynamic generation of pages using its own web servers	Appears to support.	Appears to support.	Obtree generates pages dynamically on demand using layout templates and content objects	No	Content is deployed to the web server which then delivers the dynamic pages to the end user.	To some degree, but not with any testing of scalability at this time.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	All pages are generated dynamically looks like they expect principally to perform the server role.	No	No	No	No
Static delivery of generated pages using FTP	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Content can be deployed to the server that provides FTP services to end Authors.	Supports this feature.	Appears to support.	No. Would require some modification to Publishing engine	Appears to support.	Appears to support.	Has an alternative approach. All content is dynamicallyl generated.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Static delivery of generated pages using secure FTP	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	No. Appears	No. Would require some modification to Publishing engine.	Appears to support.	Appears to support.	Has an alternative approach. All content is dynamicallyl generated.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Static delivery of generated pages using WebDAV	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Content can be deployed to the server that provides WebDAV services to end Authors.	Supports this feature.	No	No. Would require some modification to Publishing engine.	Appears to support.	The system does not currently support WebDAV. However, the internal methodology does not require the use of distributed files in this way.	Has an alternative approach. All content is dynamicallyl generated.	No	Appears to support.	No	Through apache
Generate of email mailout of content	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Content can be deployed to a server that provides email services. Not part of TeamSite.	Supports this feature.	No.	Appears to support.	Appears to support.	Appears to support.	No	Appears to support.	Appears to support.	Appears to support.	Appears to support.

	Documentum	Vignette	Obtree	Microsoft CMS	Teamsite	Inter-Publish	3rdmill	Gravity max	Strong point	RedDot	Sytadel	Red Hat CCM	Zope	Aegir	Cocoon
Allows deployment to primary server and additional deployments from the primary to multiple secondary servers.	Appears to support.	Appears to support.	Appears to support.	Appears to support through additional plug-ins	Open Deploy Supports ntier deployment, allowing for cascading deployment across servers, and network efficiencies.	Multiple publishing destinations are supported but not a logical one-to-many publishing framework.	No	Appears to support.	Appears to support.	Appears to support.	Theirs is principally oriented to a single server dynamically generated operation.	Supports multiple server posting	Could be scripted	API support for this	Scripting support for this.
Allows the deployment of content from the development server to a regional production server for re-deployment within the region to multiple production servers.	Appears to support.	Appears to support.	Appears to support. Each server is separately licensed.	No	Appears to support.	Supports this feature.	No	One to many stage-> production servers, butre-deployment within the region to multiple production servers.	Appears to support.	Appears to support.	Not applicable (dynamic server operation only)	Yes	Could be scripted	Could be scripted	Could be scripted
Supports the transact-ional deployment of content to allow for rollback if necessary.	Appears to support.	Appears to support.	Appears to support.	No	Appears to support.	No.	No	Appears to support.	No	Appears to support.	Not applicable (dynamic server operation only)	No	Could be scripted	Could be scripted	Could be scripted
Allows managers to deploy files and code as a single package.	Appears to support.	Appears to support.	Appears to support.	No	Appears to support.	No.	Appears to support.	Appears to support.	Appears to support.	Not applicable	No	Could be scripted	Could be scripted	Could be scripted	Could be scripted

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Allows managers to deploy conditionally and periodically.	Appears to support.	Appears to support.	Appears to support.	Yes	Deployments can be automated as part of a workflow, setup on a timed basis, or executed manually.	Date-based conditional publication, and event based publication (data driven)	No.	Appears to support.	No.	The system is not used for this purpose in this way.	Not applicable (dynamic server operation only)	No.	Could be scripted	Could be scripted	Could be scripted
Able to keepTrack of file versions and only deploy changed content.	Appears to support.	Appears to support.	Appears to support.	No	Incremental deployments are possible	No.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Not applicable (dynamic server operation only)	No.	No.	No.	No.
Reuse of existing application code.	Appears to support.	Appears to support.	Appears to support.	Through the server.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	The system is not used for this purpose in this way.	No. Sytadel provides its own API for manipulation of content	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Supports generation /trans-formation of XML content according to a clients XML DTD	Appears to support.	Appears to support.	Appears to support.	Through the server.	Appears to support. Through TeamSite Templating (which also Supports XSLT).	Supports this feature.	No	Has an alternative approach. Content stored in Information Store provides 100% flexibility in structure. XML is used at published time for content replication, and by new data Interfaces.	No	Appears to support.	Sytadel content is stored in XML, and thus can be transformed (which requires human intervention to define the mappings) into a client XSD (or DTD) format.	Appears to support.	Appears to support.	Appears to support.	Appears to support. This is a key area of focus in the cocoon apache xml projects.

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Supports profiling of a clients syndication needs based on subject/classification requirements	Supported (a chargeable addition)	Supported (a chargeable addition)	Not supported	Supported (a chargeable addition) or through scripting.	No Does not profile Client needs. Note that content will be classified based on metadata.	Supports this feature.	No	Appears to support.	No	Appears to support.	No. Additional information is required on what this would entail.	Would require scripting	Would require scripting	Not supported	Would require scripting
Has built-in support for NEWSML	Appears to support.	Appears to support.	Appears to support.	No.	With appropriate config of templates.	Supports this feature.	No	No.	No	No. . The system is designed to handle XML based protocols natively. NewsML would need to have the parameters defined in the first instance. The technology is native to the system however.	No.	Layout examples available	Scripting examles available	No.	Scripting examples readily available
Supports Web Services	Appears to support.	Appears to support.	No.	Appears to support.	No	Supports this feature.		No.	No	No.	Not out of box.	Not out of box.	Yes	No	Yes
Supports RSS	Appears to support.	Appears to support.	No.	Yes	Appears to support.	Supports this feature.		No.	No.	No.	Appears to support.	Appears to support.	A range of examples available.	Appears to support.	Scripting examples implementing RSS readily available
Supports PRISM. (ref www.prismstandard.org)	Appears to support.	Appears to support.	Appears to support.	No	Appears to support. TeamSite Supports PRISM. http://www.interwoven.com/company/standards/	No.	No	No.	No	Has an alternative approach. A third party proprietary plug will support PRISM	No.	Appears to support.	A range of examples available.	Appears to support.	Plugins available

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Distributes content to clients (through FTP or other methods) with retry and failure reporting (PUSH)	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Open Deploy would be used, which provides retry and failure reporting.	Supports this feature.	No	Appears to support.	No	Appears to support.	No. Dynamic generation only.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Distributes content for collection by clients (PULL)	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Content can be deployed to a location where it is pulled by clients.	Supports this feature.	No	No.	No	Not applicable	Appears to support. Other Sytadel sites can initiate the content distribution (update) process from a source Sytadel site. The distribution API can be exposed to third party clients.	Not supported	Not supported	Not supported	Not supported
Separate development work area and staging.	Appears to support.	Appears to support.	Appears to support.	Supported	Appears to support.	No. but can be supported through workflow or through the virtual browser.	No	Appears to support.	Appears to support.	Appears to support.	Virtual browser rather than staging directory.	Appears to support.	Examples of mirroring and staging scripts are available.	Supported through scripting.	Examples of mirroring and staging scripts are available.

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Allow project/producti on managers to create editions that are snapshots of the site.	Appears to support.	Appears to support.	Not supported	Not supported	Appears to support.	Not supported	Not supported	Versioning by Information Item publish allows snapshot of site at any date to be generated, so in that way it would be possible to allow the entire site to roll back to a specific time, but not by site edition.	Appears to support.	Has an alternative approach. The site makes it possible for editors to create versions for download and comparison in text format.	Given two Sytadel installations, an entire site can be distributed to the other one to enable independent review.	Not supported	Not supported	Not supported	Not supported
Ability to set up separate Author work areas.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Multiple areas can be created for Authors to author material. Each information space can use different permission control lists to control who gets to author material.	Appears to support.	Appears to support.	Appears to support.	Appears to support.
Allowing different Authors to modify content without conflicting with other Authors.	Appears to support.	Appears to support.	No	No	The collaborative WorkAreas provides this capability.	Supports this feature.	Has an alternative approach. 3rdgen locks editing to one user only, thereby avoiding any editing conflicts.	Appears to support.	Appears to support.	Appears to support.	Appears to support. This is a security permissions config issue. Individuals can control their own content, without allowing other general Authors to modify it.	No	NO	No	No

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Application Supports load-balanced scaling with fail-over session mgt	Appears to support.	Appears to support.	Appears to support.	Yes	No. TeamSite does not interact with the end audience, so does not provide session mgt, load balancing etc. It can work with leading application servers that provide these services.	Supports this feature.	No	No. Not session fail over, but does support multiple publish points.	No	Appears to support.	No.	Through apache.	Through apache.	Appears to support.	Through apache.
At least levels of role-based access levels: Read, Edit, Admin and System Admin.	Appears to support. Provides access-control at the object level, which is necessary for security sensitive industries such as government, finance, and pharmaceutical	Appears to support.	Appears to support. Objects haveAppears to support. access control.	Appears to support.	Appears to support. TeamSite provides roles controlling user access.	Supports this feature.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Sytadel provides support for as many roles (unlimited) as are required to model the security requirements . There is no intrinsic Concept of level built into the security system; all security is fine-grained by content type and information space.	Appears to support.	Appears to support. - Zone appears the most mature in this area.	Appears to support.	Appears to support.
Authors have the ability to modify content in their own workareas.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Partial - supports this feature through the FTP virtual interface.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All content modification is controlled by the security permissions	Appears to support.	Appears to support.	Appears to support.	Appears to support.

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Editors are able to submit their files to the staging area, as well as update the workareas that they are responsible for.	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. Editors usually "own" the content and the workflow processes that operate in the WorkAreas.	Supports this feature.	Editors are able to submit their files to the staging area, as well as update the workareas that they are responsible for. Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All content modification and mgt is controlled by the security permissions	Appears to support.	Would have to be scripted	Appears to support.	Would have to be scripted
A1.5.2 Integration															
Web Services support	Appears to support. Additional product.	Appears to support.	No	Appears to support.	Appears to support. TeamSite provides a range of API, including WebServices, Java API, and command line tools. These CLT can be called from scripting languages.	Redeveloped recently with full Web Services integration.	No	Appears to support. Extensive template support provides for a high level of customisation, but not at object source Code level.	Appears to support.	Appears to support.	Appears to support. All content modification and mgt is controlled by the security permissions	The appear to be making a strong move in this direction, joining the ObjectWeb consortium.	Not mature but projects are in progress building web services hooks.	MIDGard Soap server looks like it fulfills such a role.	Integratoin work with apache capabilities in this area looks well advanced, but specific web services delivery of content may require scripting.
Supports industry standard personalisation engines.	Appears to support.	Appears to support.	Appears to support.	No, but has some integrated personalisation.	Appears to have strong support in this area, eg ATG, BEA, IBM, SunONE and other engines.	No. Interfaces would have to be scripted.	No	Appears to support.	No.	Appears to support.	No. Sytadel incorporates its own personalisation facilities	Appears to be limited, but has embedded functions for personalisation.	No, works with its own personalisation engine.	No, works with its own personalisation engine.	No, but has its own thread - the XML showcase environment and a range of other XML projects

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Browser/Client Limitations.	Claims to be compatible with all major operating systems and browsers.	Claims to be compatible with all major operating systems and browsers.	Claims to be compatible with all major operating systems and browsers.	Shows a preference for IE.	Designed for IE.	The visual editor requires IE on PC. May be able to implement on MAC/OS10.	Has some browser limitations	Claims to be compatible with all major operating systems and browsers.	Claims to be compatible with all major operating systems and browsers.	Appears to support.	Appears to support in a limited manner - they object to Netscapes' CSS implementation.	Looks pretty good across unix - may be limited on MAC.	The wysiwyg is limited in scope but generalised.	Looks OK	Looks OK.
Offers a Microsoft Plug-in that allows current Microsoft Office Authors to submit content directly.	The ECM platform appears to have plugins for this.	Appears to support.	Appears to support. Plug in services are integrated with Obtree via Obtree Script.	Appears to support. - a point of strength.	Appears to support. TeamSite Front Office for Microsoft Office 2000.	Supports this feature.	No.	No. they have done some beta work in this area, allowing Word documents to submit directly to . max.	No.	Appears to support.	No. Could be developed given appropriate specifications of what the plugin should do.	By wysiwyg cut & paste	No. They have their own "wysiwyg" style of operation called structured text.	Would require scripting	Would require scripting
Allows a casual Author to access pre-defined functions (create, edit, delete, submit, etc) .	Appears to support.	Appears to support.	Appears to support.	Appears to support.	Appears to support. All performed through the Windows Explorer interface.	Limited - can differentiate read edit and designer roles	No	Appears to support.	No. Interface modules can be written to perform this functionality. Not sure of the extent of external API availability.A 146	Appears to support.	Appears to support. All activities are available for a casual user from links next to the content that they have permission to access in such a manner. Content maintenance is integrated with browsing the website.	Appears to support.	Appears to support, Zope appears to have particularly strong role management.	Appears to support.	Appears to support but may need special scripting.
Supports LDAP security to eliminate the need for multiple passwords and maintenance.	Appears to support. Embraces all major technology standards including LDAP.	Appears to support.	Appears to support.	No.	Appears to support. User authentication can be performed against an LDAP (v3) directory service.	No.	No.	Appears to support.	No.	No.	No.	Yes	Yes	No	Yes

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Ability to personalise the user interface	Appears to support.	Appears to support.	Appears to support.	Appears to support.	No. However there are a range of different interfaces (Front Office, etc) supported	No. There is some by-user personal-isation. but supports customisation by clientid	No	Appears to support.	No.	Some support. Needs to be defined at the project level as to which functions /features are to be customised (ie not dynamic).	Appears to support. Sytadel can and does provide a variety of personal-isation facilities for website members.	No	Appears to support.	No	Appears to support.