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# January 2010 International Release

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Release Highlights

Data on Content Changes in the Release

Data on Request Submission



## January 2010 Content Submissions

- 1,733 new concepts added for January 2010
- Major submitters of new content requests included:
  - Kaiser Permanente – 458
  - UK Terminology Centre – 370
  - DICOM – 79
  - NEHTA – 67
- Major submitters for content changes included:
  - Virginia Tech University – 143
  - Danish Board of Health – 83



## Change to Status 6 (Limited) Concept Codes

- All 17,854 concept codes with a ConceptStatus value of 6 (Limited) are now considered inactive, and were moved to the *Inactive concept (inactive concept)* sub-hierarchy
  - Concept codes with a ConceptStatus value of 6 (Limited) were previously considered to be active concept codes, although they were not recommended for use
- Benefit to users is that this content is now clearly inactive



# Observable and Investigation Model Project

- Initial phase completed: 600 requests for new laboratory procedures were evaluated by LOINC and NPU
- For January 2010, 160 concepts originally submitted to the IHTSDO as requests for new procedures, were added as procedures
  - Corresponding observable entity concepts, modeled as part of this project, will be added after further review and approval of the new Concept Model for Observables



# Subject Relationship Context Values Project

- The SUBJECT RELATIONSHIP CONTEXT attribute is used to distinguish:
  - Situations that pertain to the subject of a record, from
  - Situations that pertain to someone related to the subject of the record
- For the first phase of this project:
  - 34 new concept codes were added as descendants of *Person with characteristic related to subject of record (person)*
  - Values for SUBJECT RELATIONSHIP CONTEXT in the *Situation with explicit context* hierarchy were reviewed and revised



## Areas of Content Focus (1)

- *Situation with explicit context (situation) hierarchy*
  - Current guidance is to post-coordinate content that has previously been pre-coordinated (e.g. “History of X disease”, “History of X procedure”)
  - ~ 3,000 concept codes in the Situation hierarchy were reviewed to ensure definitions can be consistently used for both pre- and post-coordination
- **Measurement findings and Measurement procedures**
  - Over 600 “X antibody assay (procedure)” concepts were reviewed for consistency in naming and concept definitions
  - Descendants of *Radiology result normal (finding)* were reviewed
- *Assessment regimes (regime/therapy)* was retired as ambiguous
  - Distinction between assessment and evaluation is not reproducible
  - Over 300 descendants of *Assessment regimes (regime/therapy)* were made subtypes of *Evaluation procedure (procedure)*



## Areas of Content Focus (2)

- NLM CORE Problem List
  - A small number of concepts in the Problem list were “morphologic abnormality” concepts rather than Clinical findings
  - Corresponding concepts in the Clinical Finding hierarchy were added
- Review of Clinical findings with identical attributes in one role group
  - The same attribute used twice with different values (e.g. two FINDING SITE attributes) within a role group is not equivalent to a single attribute with a single value
  - ~ 600 descendants of Clinical finding, which had previously been considered to be sufficiently defined with the same attribute used twice within a role group, were made primitive
- Organism hierarchy
  - Updates to concepts continue as per user requests



## Defining Inclusion Criteria for New Content

- Remains a focus for improving management of content submissions
  - Work continues on identifying patterns for pre- and post-coordination
  - For July 2010 release, “Await policy – post coordination” category for requests was added
- Establishing and explaining inclusion criteria remains an iterative process with the Chief Terminologist and users
  - Lists of patterns and requests are continuously submitted to Chief Terminologist to support the work of the Pre-coordination Roadmap Project Group



# January 2010 International Release Statistics

	July 2009	January 2010
Active Concepts <sup>1</sup>	289,898	291,205
Active Concept Descriptions	752,974	758,419
Active Concept Defining Relationships	818,991	823,712
Quality Tests Completed for Release	237	237
Quality Tests Passed for Release	100%	100%

<sup>1</sup> Includes concepts with Status=0 only



# Data Reflecting Changes to Existing Content

Existing Concepts	July 2009	January 2010
Retired	3,657	18,293
changed from Primitive to Fully Defined	3,204	1,523
changed from Fully Defined to Primitive	422	685
with Stated Attribute-Value Pair Changes	7,339	3,777
with Inferred Attribute-Value Pair Changes	27,016	6,641
with new Stated Parent	4,267	3,092 <sup>1</sup>
with new Inferred Parent	10,275	4,676

<sup>1</sup> Excludes 17,854 Limited (status 6) concepts that were made children of *Inactive concept (inactive concept)*



# Consolidated Request Data

## (July 2009 & January 2010 Releases)

All Requests Submitted and Closed for the Release  
(includes batch rows and single requests)

	Requests Submitted	Requests Closed	% Closed
<b>July 2009</b>	<b>1,796</b>	<b>1,725</b>	<b>96.1%</b>
New Content	1,084	1,020 <sup>1</sup>	94.1%
Change Content	712	705	99.0%
<b>January 2010</b>	<b>1,475</b>	<b>1,475</b>	<b>100%</b>
New Content	1,164	1,164	100%
Change Content	311	311	100%

<sup>1</sup> One batch of 56 rows from the Anesthesia SIG was deferred at the SIG's request; excluding that batch: % Closed (New Content) = 99.2% and % Closed (all requests) = 99.1%



## Data on Batch Requests for New Concepts (July 2009 & January 2010 Releases)

Outcome	Jul 2009	Jan 2010	Total	% Total
<b>Concept Added</b>	<b>622</b>	<b>794</b>	<b>1,416</b>	<b>73.4%</b>
As Requested	343	276	619	32.1%
With Name Change	279	518	797	41.3%
<b>Concept Not Added</b>	<b>226</b>	<b>286</b>	<b>512</b>	<b>26.6%</b>
Awaiting Policy	35	51	86	4.5%
Found	42	74	116	6.0%
Rejected	137	145	282	14.6%
Retracted by Submitter	12	16	28	1.5%



# Concepts Added with Name Change – Detail (July 2009 & January 2010 Releases)

Outcome	#	%
<b>Concept Added</b>		
As Requested	619	32.1%
With Name Change	797	41.3%
<b>Concept Not Added</b>		
Awaiting Policy	86	4.5%
Found	116	6.0%
Rejected	282	14.6%
Retracted by Submitter	28	1.5%

Reason Code	#	%
<b>Total Added with Name Change</b>	<b>797</b>	
Abbreviation	1	0.1%
Acronym	1	0.1%
Incorrect Case	1	0.1%
Incorrect Hierarchy Tag	47	5.9%
Misspelling	5	0.6%
Naming Convention	518	65.0%
Not Present Tense (and not in Situation hierarchy)	6	0.8%
Not U.S. English	29	3.6%
Plural	9	1.1%
Other	180	22.6%



## Recommended Next Steps

- Improve guidance related to pre- and post-coordination
  - Pre-coordination Roadmap project group has been created
  - Highly pre-coordinated requests are now treated as “Awaiting Policy”, rather than as “Rejected”
  - Feedback to submitters of highly pre-coordinated requests has been improved
- Improve accessibility of guidance documents
  - Consolidate existing documentation on the IHTSDO website, and add a link to that page from the Request Submission system
- Provide training for request submitters
  - Self-paced, online training would be an effective means of reaching request submitters with an initial investment and low ongoing cost
  - Live training, online or at IHTSDO conferences, could supplement self-paced training with more advanced topics



# January 2010 Release Features

- DITA-based Documentation
  - Initial release of documents (User Guide & Technical Reference Guide) maintained using the DITA standard
- January 2010 Technology Preview Releases
  - Distributed with January 2010 International Release in both conventional and RF2 release formats
    - Including initial version of new Metadata hierarchy required to support the RF2 standard
  - Expanded RF2 preview distributed in March with full state-valid files (containing all SNOMED CT releases since January 2002)