



SNOMED CT July 2017 International Edition - SNOMED International Member Release notes

Date	20170731
Document Version	1.0
Release Status	PRODUCTION

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1 Introduction

1.1 Background

This document is to provide visibility to the Members of relevant feedback received during the Beta Release period, and any actions taken as a result of this feedback.

1.2 Purpose

This document provides information related to differences between the files distributed as part of the July 2017 Beta Release of the SNOMED CT International edition, and the June 30th Members' distribution of the July 2017 SNOMED CT International edition.

Please contact SNOMED International at support@snomed.org with any questions related to the contents of this document.

1.3 Scope

This document relates exclusively to the July 2017 International Edition, and not any prior Releases.

1.4 Audience

This document is intended for use by SNOMED International Member National Release Centres only, and should not be distributed to Affiliate licensees without permission from SNOMED International.



ISRS-211 MRCM Cardinality constraint failure - concept model states all new precoordinated content must have at most 1 x 363698007 |Finding site| relationship in any relationship group

The concept model states that all NEW precoordinated content must have at most 1 x 363698007 |Finding site| relationship in any relationship group (where relationshipGroup > 0). However, the concepts attached break this rule:

Internal (IHTSDO)

Beta feedback

725139005	
39302008	726606003
43437003	726607007
204192005	726608002
253741006	726609005
253989009	726610000
253993003	726611001
253994009	726622002
253995005	732932004
254003000	732933009
268197001	732948003
270513005	732949006
373643003	732958004
413906003	733029008
444972004	733089005
699700006	733094005

Inline image 1 Inline image 3 Inline image 2

- 723820001
- 723821002
- 723822009
- 723823004
- 723824005
- 723825006
- 723826007

RESOLUTION: The MRCM validation rule was proven to require refinement, in order to restrict it to the Stated view rather than Inferred. This has now been implemented and is now producing just 3 failures. The SNOMED International Content Team have therefore re-modelled the following 3 concepts:

- 15665401000119102
- 15665361000119106
- 15665321000119101

The related born-inactive components created by this re-modelling after Versioning the content have also been removed.

ISRS-213 MRCM Cardinality constraint failure - concept model states all new precoordinated content must have at most 1 x 116676008 |Associated morphology| in any relationship group (where relationshipGroup > 0)

The concept model states that all NEW precoordinated content must have at most 1 x 116676008 |Associated morphology| in any relationship group (where relationshipGroup > 0). However the following concepts break this rule:

Internal (IHTSDO)

Beta feedback 2017-

1542009
18735004
36631002
72951007
81780002
196858007
196864001
196868003
716230005
719408007
723622007
724283004
724769002
724833000
725416005

RESOLUTION: The MRCM validation rule was proven to require refinement, in order to restrict it to the Stated view rather than Inferred. This has now been implemented and is now producing no failures. This ticket has therefore been closed down with no action required.

ISRS-214 MRCM Domain constraint failure -

The domain of 405815000 |Procedure device| is << 71388002 |Procedure|. However, there are 3 concepts, which are << 363787002 |Observable entity|, which have an attribute that is a descendant of |Procedure device| (namely 424226004 |Using device|). This is valid, from a content perspective - however the MRCM rules are incorrect. The reason for this is that domain constraints are inherited by an attribute's children. And since 424226004 |Using device| has recently been added to the |Observable entity| domain, this should have also been added to the domain of the parent attribute (ie 405815000 |Procedure device|).

Internal (IHTSDO)

Beta feedback

RESOLUTION: 1 new row (row 103) has been added to the 'Attribute domain' refset for the Member Release. This has also updated the 'attributeRule' value in row 57 of 'Attribute range' refset.

ISRS-215 Duplicate description found	<p>734059009 Intraductal papillary neoplasm with high-grade intraepithelial neoplasia (morphologic abnormality)</p> <p>3482536011 20170731 1 900000000000207008 734059009 en 90000000000003001 Intraductal papillary neoplasm with high-grade intraepithelial neoplasia (morphologic abnormality) 900000000000448009</p> <p>3482537019 20170731 1 900000000000207008 734059009 en 90000000000013009 Intraductal papillary neoplasm with high-grade intraepithelial neoplasia 900000000000448009</p>	termMed	Beta feedback
<p>734133009 Intraductal papillary neoplasm with high grade intraepithelial neoplasia (morphologic abnormality)</p> <p>3483018012 20170731 1 900000000000207008 734133009 en 90000000000003001 Intraductal papillary neoplasm with high grade intraepithelial neoplasia (morphologic abnormality) 900000000000448009</p> <p>3483019016 20170731 1 900000000000207008 734133009 en 90000000000013009 Intraductal papillary neoplasm with high grade intraepithelial neoplasia 900000000000448009</p>			
<p>RESOLUTION: SNOMED International Content team have resolved this for the July 2017 Member release, by removing duplicate Concept 734059009.</p>			
ISRS-216 Fix RVF assertion error 89ceaf00-79b9-11e1-b0c4-0800200c9a66	<p>https://rvt.ihstools.org/api/v1/result/1497864338295?storageLocation=international/snomed_ct_international_edition_july_2017_beta_release_package/2017-06-19T08:48:47</p> <p>testCategory: "release-type-validation", assertionUuid: "89ceaf00-79b9-11e1-b0c4-0800200c9a66", assertionText: "All stated relationships inactivated in current release must have been active in the previous release.",</p> <p>Delete the following 3 born inactive stated relationships:</p> <pre>id effectiveTime active moduleId sourceId destinationId relationshipGroup typeId characteristicTypeId modifierId 6905147028 20170731 0 900000000000207008 724758000 285854004 1 363714003 90000000000010007 900000000000451002 6905148022 20170731 0 900000000000207008 724758000 247774004 1 363714003 90000000000010007 900000000000451002 6905149025 20170731 0 900000000000207008 724758000 3850002 1 363714003 90000000000010007 900000000000451002</pre> <p>Note: This is the result of ISRS-210 fixes.</p> <p>RESOLUTION: 3 Born inactive Stated Relationships removed for the July 2017 Member release.</p>	Internal (IHSTDO)	Beta feedback
ISRS-217 Potential equivalency	<p>A change in the mapping history of 12116100000105 Chickenpox vaccination. Unsure of the main cause of this but looks like it needs to be reviewed by SNOMED International. It is marked as a duplicate to 68525005 Varicella vaccination (procedure) this has now been made duplicate to 722215002 Administration of herpes zoster vaccine. However, I think this is incorrect and should be mapped to one of its child concepts 571611000119101 Administration of varicella live vaccine (procedure). Researching this, the herpes zoster vaccine is a slightly different vaccine to the varicella vaccine.</p> <p>RESOLUTION: SNOMED International Content team have resolved this for the July 2017 Member release, by amending the mapping to 571611000119101</p>	UK (UKTC/HSCIC)	Beta feedback
ISRS-219 Delete born inactive stated relationships after ISRS-211 fix	<p>RVF failed several Stated Relationships which have been born inactive in July 2017:</p> <p>"assertionText": "All stated relationships inactivated in current release must have been active in the previous release.",</p> <p>"failureCount": 12,</p> <p>"firstNInstances":</p> <pre>{ "conceptId": "15665361000119106", "detail": "Stated relationship: id=6807693029 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665361000119106", "detail": "Stated relationship: id=6807695020 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665361000119106", "detail": "Stated relationship: id=6807696021 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665321000119101", "detail": "Stated relationship: id=6807707026 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665321000119101", "detail": "Stated relationship: id=6807709028 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665321000119101", "detail": "Stated relationship: id=6807710022 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807712025 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807714029 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807715028 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807716027 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807718026 is inactive in the current release but no active state found in the previous snapshot.", "conceptId": "15665401000119102", "detail": "Stated relationship: id=6807719023 is inactive in the current release but no active state found in the previous snapshot." }</pre> <p>RESOLUTION: All born inactive Stated relationships removed from the July 2017 International Edition accordingly.</p>	Internal (IHSTDO)	Beta feedback



ISRS-221 Retired concepts must have a historical relationship of the appropriate type (RF1)

Retired concepts must have a historical relationship of the appropriate type (unless their concept status is 1 or 3)

UK (UKTC/HSCIC) Beta feedback

RESOLUTION: The majority of these issues were proven by the SNOMED International Content team to be valid, with the root cause being invalid QA routines. One historical association (for concept 192203002) was proven to be invalid, and has now been amended accordingly for the July 2017 Member release.

ISRS-222 Concepts with multiple historical relationships (RF1)

Concepts may not have more than one historical relationship (except MAY_BE_As, MOVED_TOs OR WAS_As). The following concepts have all come through RF2 to RF1 conversion with more than the expected number of historical relationships attached to them:

UK (UKTC/HSCIC) Beta feedback

RULEID	SCTID	DETAILS	TERMLIST
43	266705004	2 historical relationships	266705004: Preoperative/postoperative procedures (procedure)
43	287103000	3 historical relationships	287103000: Open wound of chest/back/buttock (disorder)
43	231035007	2 historical relationships	231035007: Destruction of spinal nerve root or ganglion (procedure)
43	193157005	2 historical relationships	193157005: Hereditary and idiopathic peripheral neuropathy (disorder)
43	397967003	2 historical relationships	397967003: Thermal/explosive injury (disorder)
43	157379003	3 historical relationships	157379003: Open wound of chest/back/buttock (disorder)

This may be another RF2 to RF1 conversion issue, rather than any problem with the RF2 source.

RESOLUTION: All concepts changed to have AssociationReference refsetId equal to "POSSIBLY EQUIVALENT TO", and their AttributeValue valuelid equal to "AMBIGUOUS"

ISRS-223 Active concepts with invalid historical relationships (RF1)

Historical relationships must belong to concepts of appropriate status. Three active concepts have come through conversion with odd historical relationships attached:

UK (UKTC/HSCIC) Beta feedback

RULEID	SCTID	DETAILS	TERMLIST
44	6599212024	422221005 (status 1); attribute 168666000	422221005: Bacterial infection caused by Klebsiella mobilis (disorder) 168666000: SAME AS (attribute)
44	6599690022	1541000119106 (status 1); attribute 149016008	1541000119106: Skin ulcer associated with type II diabetes mellitus (disorder) 149016008: MAY BE A (attribute)
44	6599629026	192203002 (status 10); attribute 149016008	192203002: [X] (Unspecified organic personality and behavioural disorder due to brain disease, damage and dysfunction) or (organic psychosyndrome) (disorder) 149016008: MAY BE A (attribute)

These may be odd entries in the RF2 reference sets or another group of RF2 to RF1 conversion issues.

RESOLUTION: Concepts inactivated, plus historical associations corrected.

ISRS-226 Concepts not inheriting the necessary attribute from the parent concept

Children of concepts with the "Has active ingredient" attribute must also have that attribute. The following concepts are not inheriting the necessary attribute from the parent concept:

UK (UKTC/HSCIC) Beta feedback 2017-

RULEID	SCTID	DETAILS	TERMLIST
107	316943005	Parent: 423714001	316943005: Compound magnesium trisilicate 250 mg tablet (product) 423714001: Aluminum hydroxide + magnesium trisilicate (product)
107	326342007	Parent: 412256008	326342007: Ethinylestradiol+norethisterone 35micrograms/1mg tablet (product) 412256008: Product containing ethinyl estradiol and norethisterone (medicinal product)
107	329167003	Parent: 421178007	329167003: Calcium compound 400mg effervescent tablet (product) 421178007: Calcium carbonate + calcium lactate gluconate (product)
107	329168008	Parent: 421178007	329168008: Calcium compound 1000mg effervescent tablet (product) 421178007: Calcium carbonate + calcium lactate gluconate (product)
107	329297004	Parent: 424828009	329297004: Vitamin B compound tablet (product) 424828009: Niacinamide+riboflavine+thiamine (product)
107	347900004	Parent: 421774002	347900004: Sodium chloride 1.5% compound mouthwash (product) 421774002: Sodium bicarbonate + sodium chloride (product)

RESOLUTION: UKTC confirmed that after further investigation this issue was specific to the UK extension, and therefore requires no action for the International Edition. Issue therefore closed without action.

ISRS-227 Unknown FSN postfix values occurring as children of other FSN postfix values

Postfix metamodel rule: Only known FSN postfix values may occur as children of other FSN postfix values. The table below gives the issues from the International content. In the details column the child is the first code and the parent the second.

UK (UKTC/HSCIC) Beta feedback

RULEID	SCTID	DETAILS	TERMLIST	
187	677701000119107	677701000119107 (finding) : 75971007 (disorder)	677701000119107: Subretinal neovascularization of right eye (finding) 75971007: Choroidal retinal neovascularization (disorder)	Removed 3330639017 Added new FSN with semantic tag (disorder) Removed parent 6984966024; replaced with new IS A = disorder
187	16219201000119101	16219201000119101 (finding) : 26929004 (disorder)	16219201000119101: Behavioral disturbance co-occurrent and due to late onset Alzheimers dementia (finding) 26929004: Alzheimer's disease (disorder)	Removed 3447208014 3447209018 and 3447210011 replaced with new FSN (disorder) and 2 new synonyms.
187	733465009	733465009 (substance) : 14103001 (product)	733465009: Naldemedine (substance) 14103001: Opiate antagonist (product)	Removed IS A - Opiate antagonist (product) 6996256024 and replaced with IS A = Opiate agonist (substance)
187	733342000	733342000 (finding) : 609411003 (disorder)	733342000: Ischemic contracture of kidney (finding) 609411003: Traumatic and/or non-traumatic injury of anatomical site (disorder)	No action required as new FSN (disorder) will correct this inference.
187	677671000119106	677671000119106 (finding) : 75971007 (disorder)	677671000119106: Subretinal neovascularization of left eye (finding) 75971007: Choroidal retinal neovascularization (disorder)	Removed 3326522013 replaced with new FSN (disorder)
187	41906002	41906002 (finding) : 118940003 (disorder)	41906002: Drug withdrawal seizure (finding) 118940003: Disorder of nervous system (disorder)	No action required: 118940003: Disorder of nervous system (disorder) will go away as it is inferred from IS A = drug withdrawal which has been removed.
187	41906002	41906002 (finding) : 363101005 (disorder)	41906002: Drug withdrawal seizure (finding) 363101005: Drug withdrawal (disorder)	Removed IS A = Drug withdrawal 6904370024
187	733342000	733342000 (finding) : 709978007 (disorder)	733342000: Ischemic contracture of kidney (finding) 709978007: Contracted kidney (disorder)	Removed 3499255013 FSN (finding) replaced with 3512941013 FSN (disorder)

RESOLUTION: All relevant descriptions and Stated Relationship amended as per the noted in the table above.

ISRS-228 Delete 9 born inactive historical associations

RVF failure:

"assertionText": "New inactive states follow active states in the ASSOCIATION REFSET snapshot file.",

"failureCount": 9,

"firstNInstances":

```
[{"conceptId": "157379003", "detail": "ASSOC RS: id=a0e20ebe-a5dc-4cb6-a226-a3b4441b0dc8 is inactive but no active state found in the previous release."}, {"conceptId": "157379003", "detail": "ASSOC RS: id=c03e2672-3d0e-4e5a-b61e-d43021b90810 is inactive but no active state found in the previous release."}, {"conceptId": "287103000", "detail": "ASSOC RS: id=d4f62913-bdbb-467c-811f-0f8250a7661d is inactive but no active state found in the previous release."}, {"conceptId": "157379003", "detail": "ASSOC RS: id=df96b92e-76b1-42f3-aa6f-01e3a9a8c0eb is inactive but no active state found in the previous release."}, {"conceptId": "413138007", "detail": "ASSOC RS: id=e806ed49-531d-41ed-bebf-2ec69995b0aa is inactive but no active state found in the previous release."}, {"conceptId": "287103000", "detail": "ASSOC RS: id=fc1cc179-f30c-49f7-b1c2-954955c78c2c is inactive but no active state found in the previous release."}, {"conceptId": "397967003", "detail": "ASSOC RS: id=006bbe0f-3d34-4ca8-9b94-bf97d44ca4a1 is inactive but no active state found in the previous release."}, {"conceptId": "397967003", "detail": "ASSOC RS: id=58121ca7-6b7d-4c9a-916f-d6d70df9b7c5 is inactive but no active state found in the previous release."}, {"conceptId": "287103000", "detail": "ASSOC RS: id=65d450af-36ef-47e5-a29b-fd0c82a27a0b is inactive but no active state found in the previous release."}]
```

RESOLUTION: The relevant Association refset components removed accordingly.

Internal (IHTSDO) Beta feedback



ISRS-229	Fix assertion (1852b9d6-38cf-11e7-8b36-3c15c2c6e32e) validation issue	<p>RVF failure:</p> <p>"assertionText": "Previously published historical association components should not be modified.",</p> <p>"failureCount": 1,</p> <p>"firstNInstances":</p> <pre>[{"conceptId": "413138007", "detail": "Association refset id=84eb1cc8-23b9-5112-8ad1-9a075becd413 has historical association components changed since the previous release."}]]</pre> <p>RESOLUTION: Association Reference record fixed as follows:</p> <pre>id effectiveTime active moduleId refsetId referencedComponentId targetComponentId 84eb1cc8-23b9-5112-8ad1-9a075becd413 0 900000000000207008 900000000000527005 413138007 68525005 2120b5b4-5a52-11e7-8261-3c15c2c6e32e 1 900000000000207008 900000000000527005 413138007 571611000119101</pre>	Internal (IHSDO)	Beta feedback
ISRS-230	MRCM regression failure - attribute group contains multiple records for the same attribute	<p>According to the attribute group rule there should not be more than one attribute per group as it is [0..1] group. This one only exists in the stated relationship but not in the inferred view:</p> <pre>id effectiveTime active moduleId sourceId destinationId relationshipGroup typeId characteristicTypeId modifierId [4428858023 tel:(442)%20885-8023] 20090131 1 900000000000207008 438595008 417992006 1 118168003 90000000000010007 900000000000451002 7111885023 20170731 1 900000000000207008 438595008 367643001 1 118168003 90000000000010007 900000000000451002</pre> <p>RESOLUTION: Stated Relationship inactivated as follows, to leave only 1 relationships in the group:</p> <pre>4428858023 20170731 0 900000000000207008 438595008 417992006 1 118168003 90000000000010007 900000000000451002</pre>	Internal (IHSDO)	Pre-Production feedback
ISRS-231	3 MRCM failures for multiple Stated Relationship records per group	<p>The following 3 born inactive Stated Relationship records have failed the MRCM tests:</p> <pre>id effectiveTime active moduleId sourceId destinationId relationshipGroup typeId characteristicTypeId modifierId 6937579029 20170731 1 900000000000207008 1542009 371520008 2 116676008 90000000000010007 900000000000451002 6937585020 20170731 1 900000000000207008 18735004 371520008 2 116676008 90000000000010007 900000000000451002 6937613027 20170731 1 900000000000207008 72951007 371520008 1 116676008 90000000000010007 900000000000451002</pre> <p>RESOLUTION: The three Stated Relationship records in question were removed by the SNOMED International Content team.</p>	Internal (IHSDO)	Pre-Production feedback

20 issues