Annex H
(normative)

Templates for registration proposals

H.1 Introduction

This annex contains a set of blank forms that may be used to create proposals for various types of SRM registered items as specified in Clause 13.

These forms include four common initial elements that apply to all instances of SRM concepts that can be registered. These common elements are described in Table H.1.

Table H.1 — Common registration proposal specification elements

Element	Definition
Date of proposal	Date the registration proposal is submitted.
Sponsoring authority	Sponsor of the registration proposal.
Justification for inclusion	Justification for the registration proposal.
Additional comments	Any additional comments on the registration proposal.

H.2 Proposal for the registration of a CS

Each proposal for the registration of a CS shall provide values of all the elements contained in Table H.1 and in Table H.2. The required contents of the specification column are described in Table 5.5.

Table H.2 — Coordinate system registration proposal elements

Element	Specification
Description	
CS label	
Function type	
CS descriptor	
Properties	
CS parameters and constraints	
Coordinate-components	
Domain of the generating function or mapping equations	
Generating function or mapping equations	

Element	Specification
Domain of the inverse of the generating function or mapping equations	
Inverse of the generating function or mapping equations	
COM	
Point distortion	
Figures	
Notes	
References	

H.3 Proposal for the registration of a temporal CS

Each proposal for the registration of a temporal CS shall provide values of all the elements contained in Table H.1 and in Table H.3. The required contents of the specification column are described in Table 5.38.

Table H.3 — Temporal coordinate system registration proposal elements

Element	Specification
Temporal CS label	
Description	
References	

H.4 Proposal for the registration of an RD

Each proposal for the registration of an RD shall provide values of all the elements contained in Table H.1 and in Table H.4. The required contents of the specification column are described in Table 7.9.

Table H.4 — RD registration proposal elements

Element	Specification
RD label	
Description	
Physical object	
Parameters	
Date	
References	

H.5 Proposal for the registration of an STT

Each proposal for the registration of an STT shall provide values of all the elements contained in Table H.1 and in Table H.5. The required contents of the specification column are described in Table 7.11.

Table H.5 — Similarity transformation template registration proposal elements

Element	Specification
STT label	
Name(s)	
Description	
Dimension	
STT parameters	
STT constraints	
STT formulation	
STT inverse formulation	
API structure	
Notes	
References	

H.6 Proposal for the registration of an ORMT

Each proposal for the registration of an ORMT shall provide values of all the elements contained in Table H.1 and in Table H.6. The required contents of the specification column are described in Table 7.29.

Table H.6 — ORMT registration proposal elements

Element	Specification
ORMT label	
Description	
RD set	
Binding constraints	
Notes	

H.7 Proposal for the registration of an ORM

Each proposal for the registration of an ORM shall provide values of all the elements contained in Table H.1 and in Table H.7. The required contents of the specification column are described in Table 7.33.

Table H.7 — ORM registration proposal elements

Element	Specification
ORM label	
Published name	
Reference ORM	
Binding information	
Region	
ORMT label	
RD parameterization	
Reference transformation	Repeat as needed using H.8.
References	

H.8 Proposal for the registration of a reference transformation

Each proposal for the registration of an RT shall provide values of all the elements contained in Table H.1 and in Table H.8. The required contents of the specification column are described in Table 7.34.

Table H.8 — RT registration proposal elements

Element	Specification
ORM label	
RT label	
RT region	
STT label and parameter values	
Date published	
References	

H.9 Proposal for the registration of an OBRS

Each proposal for the registration of an OBRS shall provide values of all the elements contained in Table H.1 and in Table H.9. The required contents of the specification column are described in Table 7.35.

Table H.9 — OBRS registration proposal elements

Element	Specification
OBRS label	
Short name	
Object restrictions	

Object binding rules	
Figures	
References	

H.10 Proposal for the registration of an SRFT

Each proposal for the registration of an SRFT shall provide values of all the elements contained in Table H.1 and in Table H.10. The required contents of the specification column are described in Table 8.2 except where indicated otherwise.

Table H.10 — SRFT registration proposal elements

Element	Specification
SRFT label	
Short name and description	
Object or object type	
ORM constraint	
CS label	
CS coordinate component names and/or symbols	
Template parameters	
CS parameter binding rules	
Applicable region	
API base SRF class	See 13.3.9 guideline (i).
API SRF class name	See 13.3.9 guideline (j).
API SRF parameter structure	See 13.3.9 guideline (k).
API coordinate structure	See 13.3.9 guideline (l).
Notes	
References	

H.11 Proposal for the registration of an SRF

Each proposal for the registration of an SRF shall provide values of all the elements contained in Table H.1 and in Table H.11. The required contents of the specification column are described in Table 8.30.

Table H.11 — SRF registration proposal elements

Element	Specification
SRF label	
Short name	
SRF template	
ORM label	
Applicable region	
Parameter values	
Notes	
References	

H.12 Proposal for the registration of an SRF set and its members

Each proposal for the registration of an SRF set shall provide values of all the elements contained in Table H.1 and in Table H.12. The required contents of the specification column are described in Table 8.46.

Table H.12 — SRF set registration proposal elements

Element	Specification
SRF set label	
Short name	
SRF template	
ORM constraints	
Coverage description	
SRF set membership	Use Table H.13 as needed.
Notes	
References	

In the case that the SRF set membership is specified through an explicit parameterized list of members, each proposal for the registration of an SRF set member shall provide values of all the elements contained in Table H.13. The required contents of the specification column are described in Table 8.47.

Table H.13 — SRF set member registration proposal elements

Element	Specification
SSM label	
Short name	
Applicable region	

Parameter values	
Notes	

H.13   Proposal for the registration of a DSS

Each proposal for the registration of a DSS shall provide values of all the elements contained in Table H.1 and in Table H.14. The required contents of the specification column are described in Table 9.1.

Table H.14 — DSS registration proposal elements

Element	Specification
DSS label	
Description	
Global/local	
Model	
Notes	
References	

H.14   Proposal for the registration of a profile

Each proposal for the registration of a profile shall provide values of all the elements contained Table H.1 and in Table H.15. The required contents of the specification column are described in Table 12.1.

Table H.15 — Profile registration proposal elements

Element	Specification
Label(s) of existing profile(s) to be deprecated, if appropriate	
Profile label	
Description	
Standard edition used	
Amendment(s) used (list all)	
Registered concept(s) included	☐ Yes ☐ No
ORM(s)	
SRFT(s)	
SRF(s)	
SRF set(s)	
DSS(s)	

Element	Specification	
Error criteria	Repeat as needed.	
	SRFT label(s)	
	Error bounds	
	Accuracy domain template	

H.15 Proposal for the registration of a reference

Each proposal for the registration of a reference shall provide values of all the elements contained in Table H.1 and in Table H.16. The required contents of the specification column are described in 13.2.5. A reference alone shall not be registered. A new reference shall not be added for a concept that is already registered.

Table H.16 — Reference registration proposal elements

Element	Specification
Identifier	
Reference	
Type (normative or informative)	

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