

Issue Short List

Version : 2.0

#	Category	Subcategory	Issue	Priority	Date		Status	Testable	Issue Log Ref	Comments
					Open	Close				
1	Architecture	Data Specifications	Discovery service gets the optional accompanying services defined, so that it is possible to see the whole of dataset series on the map/screen and also to query for datasets from a dataset series.	Medium	nov/26		Pending	TBD	13,17	General discussion on the integration of network services and service metadata. This problem will be tackled in the Domain Model and will need testing by the Testboard.
2	Architecture	Data Specifications	As regards data harmonisation: It needs to be resolved with the EU, whether the "temporal dimension" is to be implemented in the data model of the respective layer or whether these can be depicted in different layers? We need to resolve whether the use of time stamps suffices to meet the "temporal dimension" requirement or whether a versioning or a historisation is the solution to be adopted.	Medium	nov/26		Pending	Yes	51	
3	Architecture	Data Specifications	As regards data harmonisation: Complete historisation of a layer involves a lot of work, the project group is doubtful about the benefit of any complete historisation (incl. historisation of every individual feature in a layer).	Medium	nov/26		Pending	No	52	
4	Architecture	Data Specifications	Discuss the harmonization of portrayal rules of the data specifications. It will seriously hamper interoperability, if the portrayal rules are not harmonized so that the various themes can be fluently viewed on top of each other.	Low	nov/26		Pending	Yes	91,115	Should be part of data harmonization
5	Architecture	Domain Model	There appears to be no formal overall architectural model – ie something similar to the data specifications Generic Conceptual Model that describes all the components and operations and to which parts this guide refers.	Medium	dec/16		Pending	TBD	6,8,12,47	
6	Architecture	Namespaces	We would benefit from harmonized namespaces for XML documents and web services based on the results of data harmonization efforts (including harmonized layer names).	Medium	nov/26		Pending	Yes	9,23	
7	Architecture	Namespaces	we suggest not to use „.“ as delimiter in layer names (e.g. „GEOGRAPHICALGRIDSYSTEMS.UTM for UTM grid“), as confusions may occur. We recommend the use of „-“.	Medium	nov/26		Pending	Yes	33	. is a standard separator for namespaces. Architecture / Namespaces.
8	Architecture	Security	Clear statements on how to implement access control (e.g. for the interface local service <-> INSPIRE Geoportal)	Medium	nov/26		Pending	Yes	5,48,103	
9	Discovery_Service	Federated Search	Will the commission provide brokering services through the INSPIRE geoportal to support federated searches? For which service types? Will federated search be implemented on a centralized data repository (data gathered through harvesting) or through a real distributed search, based on registry metadata.	Medium	nov/26		Pending	TBD	56,65,85,88	
10	Discovery_Service	Harvesting	Transaction/Harvest. OGC:CSW 2.0.2 and 2.1 seems to have badly defined harvest operation. There is no possibility for harvesting from another CSW server, no filtering capability and no mechanism for dealing with deleted records. (So there are aside from standard solutions used.)	Medium	nov/26		Pending	Yes	64	
11	Discovery_Service	Language	The translations to other supported languages shall be referenced in the "ExtendedCapabilities" element, as a link to an online resource. <b>Question:</b> who shall for instance provide the online Ressource for this? Is it meant to use a translation service? Are there any existing services that can be used?	Medium	nov/26		Pending	TBD	58	
12	Discovery_Service	Language	Multilingual aspects. Is it necessary to specify the language using the Language queryable in the filter statement in every GetRecords request? Even if only one language is supported? This is not clear. Wouldn't it be more convenient that you only have to specify a language if the catalogue supports more than one language? If only one language is supported couldn't this be considered the default language, meaning you don't have to specify a language parameter?	Medium	nov/26		Pending	TBD	81	

13	Discovery_Service	Language	Language Parameter: Now: The concept of vendor specific parameter must be used to get interoperable. Therefore the Language parameter must be optional and cannot be set to mandatory. Later: In OWS Common 1.2, actually a pending document, there is a solution for multilingualism and supporting languages. This solution differs from the INSPIRE once, for example the language code which should be used (OWS Common 1.2 uses IETF RFC 4646, INSPIRE uses ISO 639-2). Check how to deal with. Contribute a harmonized solution for multilingualism into OGC standards which fits also the requirements INSPIRE make.	Medium	dec/16		Pending	Yes	126	
14	Discovery_Service	QoS	Sections 4.1.1, 4.1.2, 4.1.3 Comment: It should be clarified which standards / regulations / reference tests shall be used to check the quality.	Medium	nov/26		Pending	Yes	59	
15	Discovery_Service	Queryable	3.3.1.2, "Table 2: Discovery service metadata in a GetCapabilities Response". Comment: for handling a big amount of data it would be of advantage to have also these elements: propertyislike (with wildcard), propertyissequence (use of sequences), propertyisregex (use regular expressions).	Medium	nov/26		Pending	N/A	60	Discovery / Query / Constraint / Filter Operators
16	Discovery_Service	Queryable	Queryable. In [CSW ISO AP] only 3 queryables are mandatory (Title, AnyText, Identifier). In the INSPIRE Profile of CSW ISO AP 21(!) queryables are mandatory. This seems like a huge discrepancy to me. Wouldn't it be more convenient to make only the most important queryables mandatory and the rest optional?	Medium	nov/26		Pending	N/A	82,216,217,219,220,221	
17	Discovery_Service	Service Metadata	Registries are for storing and providing information on schemas, codelists and such items, supporting the implementation and utilization of Network Services. All the other necessary information about the services and data is to be available through MS Discovery Services. The only additional thing needed is an updatable registry of MS Discovery Services on an European level, so that the EC Discovery Service can connect to and harvest the information from MS Discovery Services.	Medium	nov/26		Pending	TBD	114,129,155	
18	Discovery_Service	Standardisation	The basic specification of the implementation rule (IR) is chiefly defined by "OGC CSW ISO AP". Requirements resulting from the IR of the meta-data specifications cause the standards published by the OGC with regard to "Service Operations", "Query Elements" and "Multilingual Aspects", which need special consideration during implementation, to be watered down.	Medium	nov/26		Pending	N/A	25	
19	Discovery_Service	Standardisation	CSW Discovery.DescribeRecord is missing. According to [CSW ISO AP] this is a mandatory operation.	Medium	nov/26		Pending	N/A	75	
20	Discovery_Service	Standardisation	AnyText (full-text search of character data types in a catalogue) is a mandatory queryable according to [CSW ISO AP]. It is not an INSPIRE queryable. However, free text search seems very interesting to me.	Medium	nov/26		Pending	N/A	76	
21	Discovery_Service	Standardisation	According to [CSW ISO AP] SOAP messages must conform to SOAP 1.2 (p60). INSPIRE Discovery Services shall describe its interfaces in WSDL 1.1 (p14). Why doesn't INSPIRE follow the OGC standard?	Medium	nov/26		Pending	N/A	78	
22	General	Technical Guidelines	Comment on the common strategy of guidance documents. Situation: OGC and ISO standards are well accepted in all member states. Many national SDIs do already base on it. However some INSPIRE requirements seems to do not map well to the existing functionalities in OGC standards. A very important question is how we deal with this lack of specification regarding the standards of OGC and ISO and the requirements INSPIRE makes. There is little acceptance for any profiles that force additional mandatory behaviour because this would break the compatibility to the base Standards and so to existing systems. A possible approach is to use only the pure OGC and ISO standards, identify the gaps and give the results back into the standardization process. After the standardization process expired successfully the IOC TF can follow-up the Technical Guidance Documents. Meanwhile the TG should support INSPIRE requirements in an optional way. Although the most parts of the TG already follow this strategy, it is important to commonly agree in the IOC TF to such a strategy to force an overall coherent concept for all TG documents.	Medium	dec/16		Pending	N/A	118	Proposed strategy: 1. Base standards: The TG should generally reference to the pure OGC and ISO standard service interfaces (with additional regulation on the content level only). We propose to realize one TG document for each considered base standard version. 2. Optional Variances: Gaps between requirements and offered functionality shall be handled in the TGs as a profile where all variances to the base standard are considered as optional to keep interoperability with all systems that are conformant to the base standards. The base standard behaviour shall be the fall back behaviour. 3. Close gaps over time: The remaining gaps between requirements and offered functionality by the base standards shall be closed over time by attending the standardisation process (ISO/OGC) and further development of the TGs. For this purpose there is a need for responsible parties from each member state to attend and to push the process in OGC and ISO, e.g. sdi experts and a party for coordination. We suggest to form a group of SDI experts that are coordinated by JRC and the IOC TF. After the standardization process expired successfully the IOC TF can follow-up the Technical Guidance Documents. Proposal: Identify gaps, observe and contribute to OGC actions concerning these gaps and work out a migration plan on how to
23	General	Technical Guidelines	There is a significant disconnect from other INSPIRE documentation (eg metadata, data specifications). The document does not acknowledge these and appears as a standalone piece of work – when it should be complementary and harmonised with both MD and DS documentation.	Medium	dec/16		Pending	N/A	138	
24	Test_Suite	Availability	One important issue is to identify and develop methods for the testing of the quality of service requirements of the regulation. Currently, the measures are not well-defined and we would need common testing methods in order to compare measured values with each other.	Medium	nov/26		Pending	Yes	108	TestBoard will cover this.

25	Test_Suite	View Service	Add abstract tests to the TG: Add abstract tests to the TG to avoid wrong interpretation. It would be helpful, if implementations of these tests could be shared among the IOC TF members. Recommend service reference and client reference implementations. For example, the INSPIRE.Geoportal can be used for a client reference implementation.	Medium	dec/16		Pending	TBD	124	
26	View_Service	CRS	Clarifications on using Coordinate Reference Systems in View Services.	Medium	nov/26		Pending	Yes	24	At least a common CRS should be recommended. Annex I Geodesy ask for geographical coordinates reference system. Let's go with ETRS89 geographic projection (plate-carre) ?
27	View_Service	CRS	3.2.3.3.4.7 - What does INSPIRE say about the urn syntax for CRS as stated in "Definition identifier URNs in OGC namespace" (OGC best practices <a href="http://www.opengeospatial.org/standards/bp">http://www.opengeospatial.org/standards/bp</a> )? May the urn syntax be used or is the old EPSG: syntax mandatory? Additional WFS and WMS services with additional metadata information.	Medium	dec/16		Pending	Yes	172	Clarify whether or not urn syntax may/should be used. WMS 1.3.0 supports several ways – need to state which one is recommended
28	View_Service	Data Specification		Medium	nov/26		Pending	Yes	97	Ex. The coverage of datasets representing one dataset series (orthophoto imagery) displayed by the supporting WMS service – general view over Poland. WCS should be used in download – WMS for viewing (cascading services)
29	View_Service	IR	In chapter 3.2.3.3.2.2 it says "The PNG_and_GIF format shall be supported..." with a reference to the IR. However, in the IR, it is stated that either PNG_or_GIF shall be supported.	Medium	nov/26		Pending	N/A	70	To be checked as the idea was to support both (mandatory)
27	View_Service	Language	View Services LANGUAGE: The current WMS implementations (commercial and open source) do not support this parameter. Thus own implementation becomes necessary, which comes with additional costs. If a request is not supported in the request language, responses will be provided in the default language (this is what current WMS implementations do, since the LANGUAGE parameters is currently still ignored).	Medium	nov/26		Pending	Yes	27,31,120	To be checked according to IR (mandatory parameter) Default value is advertised in GetCapabilities
28	View_Service	Language	GetFeatureInfo Response. It is still unclear what the language support will look like. Moreover, it would be desirable for the data to return not only as text/html but also as text/xml. The technical guidelines specify the following: "Shall support at least INFO_FORMAT=text/html"; hence, html is a "must" if getfeatureinfo is offered. In the project group's view, compulsory support of xml would have to be specified, since further processing using machines would be	Medium	nov/26		Pending	Yes	46	
29	View_Service	Language	Why the language codes are uppercase in technical guidance? ISO uses lowercase instead. (CZ)	Medium	nov/26		Pending	Yes	61	■ISO 3166-1 Alpha-2 Code: the alpha-2 (two-letter) code element for the country name (e.g. DE) ■ISO 3166-2 Code: subdivision code ■Language Code: alpha-2 (two-letter) language code (e.g. "fr" for French) in accordance with ISO 639-1 Check with Metadata IR : ISO 639-2_alpha 3 (uppercase?) Using HTTP Header means to be stuck with the client application. For testing purposes having an « external » parameters helps !
30	View_Service	Language	3.2.1 & 3.2.4.1.1.9 - LANGUAGE - The issue about language might be addressed in another way. Here, the assumption is that the language parameter is specified in the GetMap request. The question is why this is required.  If you take a look to the HTTP specification there is already a language parameter included in the HTTP header:  <a href="http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html">http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html</a>  In Denmark this is already used in our map delivery system to supply service exceptions in the requested language.  Instead of "inventing" new specifications and standards we should as much as possible use standards already available.  Each approach have different drawbacks/advantages but at least using the standard HTTP header should be considered instead of providing an additional parameter in each request.	Medium	dec/16		Pending	Yes	191	
31	View_Service	Layers	Limitations on public access .Comment: basically we support to keep services with max. 1 layer, also the metadata should be kept in this way. Though for proper combined display of several layers, it should be possible to provide service with several layers.Why is the use of <wms:LayerLimit> recommended? Only for performance issues?What exactly is meant by: „Furthermore, as the INSPIRE Directive requires the ability to overlay layers, the returned map should contain only one layer.“	Medium	nov/26		Pending	Yes	32,122,163,164,195	In order to address performances issues, it is easier to « block » to number of layers in a request to 1

32	View_Service	Layers	Chapter 3.2.3.3.4.6: The map layers in the WMS service should be grouped hierarchically based on the Inspire themes using WMS group layers, e.g. TRANSPORTNETWORK (group layer) : TRANSPORTNETWORK.ROADS, TRANSPORTNETWORK.RAILWAYS, ... / HYDROGRAPHY (group layer) : HYDROGRAPHY.RIVERS - etc	Medium	nov/26		Pending	Yes	71	Agreed in principle
33	View_Service	Namespaces	3.2.3.3.1.1.3 - KEYWORD - For INSPIRE keywords the following syntax is proposed: INSPIRE:ViewService. Would it be an option to use the vocabulary attribute instead?	Medium	dec/16		Pending	TBD	162	Use <wms:Keyword vocabulary="INSPIRE">ViewService</wms:Keyword> instead of <wms:Keyword>INSPIRE:ViewService</wms:Keyword>
34	View_Service	Namespaces	3.2.3.3.1.11 - <INSPIRE:CurrentLanguage> - Why is xml:lang not used for this purpose instead? See Section: 2.12 Language Identification in http://www.w3.org/TR/REC-xml/	Medium	dec/16		Pending	TBD	166	Consider using xml:lang instead. Check whether xml:lang complies with ISO 639-2, alpha 3
35	View_Service	Namespaces	3.2.3.3.4.5 - Why is Identifier used and not MetadataURL which is mandatory in WMS 1.3? As a view service client, if I have the Identifier, how do I know which catalogue to go to to find the respective metadata for that Layer?	Medium	dec/16		Pending	TBD	170,192	Consider using MetadataURL
36	View_Service	Standardisation	View Services: The implementation rules refer to the ISO / Draft Standards. These vary – greatly, in part – from the published OGC standards.	Medium	nov/26		Pending	N/A	26	Make proposals to OGC/ISO
37	View_Service	Standardisation	WMS GetCapabilities Request: LANGUAGE request parameter. Is not included in the specifications .	Medium	nov/26		Pending	N/A	28,30	Make proposals to OGC/ISO
30	View_Service	Standardisation	The LANGUAGE Parameter is an extension to the current standardized parameter sets, so this parameter should be included in the OGC standard.	Medium	nov/26		Pending	N/A		Make proposals to OGC/ISO
38	View_Service	Standardisation	the TRANSPARENT parameter is optional in the OGC standard. Why should it be mandatory in INSPIRE (same problem as with mandatory Language Parameter).	Medium	nov/26		Pending	N/A	35,185	See IR for the ability to overlay layers
39	View_Service	Standardisation	View GetCapabilities Response. Additional response parameter. ContactInformation: Basically, this is contained in WMS 1.3.0 with the exception of the fax number (mandatory here). As this is a service, it is doubtful whether a fax address is necessary and expedient	Medium	nov/26		Pending	N/A	38	Check mandatory/optional status of fax in standard
40	View_Service	Standardisation	View GetCapabilities Response. Additional response parameter. ResponseLanguage: Not contained in the specifications.	Medium	nov/26		Pending	N/A	39	Make proposals to OGC/ISO
41	View_Service	Standardisation	View GetCapabilities Response. Additional response parameter. SupportedLanguages: Not contained in the specifications.	Medium	nov/26		Pending	N/A	40	Make proposals to OGC/ISO
42	View_Service	Standardisation	View GetCapabilities Response. Additional response parameter. Style: MinimalStyle Definition INSPIRE:DEFAULT should be used as standard style if not indicated otherwise. The question is, to what extent are harmonised styles to be expected. (Minimal-Stil: black 1 pixel). For the legends, only pictures and no HTML are used in the specifications	Medium	nov/26		Pending	N/A	41	Make proposals to OGC/ISO
43	View_Service	Standardisation	View GetMap Request. LANGUAGE RequestParameter is not included in the specifications.	Medium	nov/26		Pending	N/A	42	Make proposals to OGC/ISO
44	View_Service	Standardisation	GetMap Response. The question is to what extent language-dependent map responses are meaningful since, after all, the focus in INSPIRE services is on overlayability. That is why labelling should be used only sparingly. Usually, proper names are used for the labelling which do not allow for suitable translation	Medium	nov/26		Pending	Yes	44	See data specification
45	View_Service	Standardisation	The same information is stored on more than one place (i.e contact info is stored both in the capabilities document and in the metadata of the service).	Medium	nov/26		Pending	N/A	69	Problem with ISO/OGC metadata/getcapabilities Make proposals to OGC/ISO
46	View_Service	Styles	Issues such as “Styling”, “Legend availability and handling” are generally irrelevant to architecture and can only be analysed and developed at a later stage in the planning and implementation.	Medium	nov/26		Pending	N/A	53	Agreed in principle
47	View_Service	Styles	3.2.3.3.4.8 - INSPIRE:DEFAULT - Is there a reason not to use the WMS default style name of an empty string? Is it envisioned that parties will set up a view service for INSPIRE and other purposes combined so that the INSPIRE default style may conflict with the WMS default style?	Medium	dec/16		Pending	Yes	173	Explain why WMS default style name is not used. Check if INSPIRE defaults (black lines, no fill) is compatible with WMS default. If yes use WMS default !
48	View_Service	Styles	3.2.3.3.4.9 - Is it wise to have HTML legends? I would rather have image legends only. If HTML legends are still considered, then maybe it should be stated that the use of image legends has preference? Some of the parameters like width and height will not apply to HTML legends.	Medium	dec/16		Pending	Yes	177	Consider not using HTML for legends. Agreed
49	View_Service	WMTS	INSPIRE Profile of Tiling WMS. Is it meant to use the OGC WMS-T standard, as soon as it is released? Generally the paper discusses the implementation based on WMS 1.1.1 and extending it. This should be corrected to 1.3, which should be the basis for the INSPIRE implementation.	Medium	nov/26		Pending	Yes	10,15,19,36,98,133	The TF decided to follow OGC/ISO standards, so WMTS should be the best candidate. WMTS is not around – consider other candidates WMS-C, TMS (OsGeo) that are currently in use