Paper for Consideration by NIPWG

Provision of NPUB Information

Submitted by:	BSH
Executive Summary:	Different ways to provide NPUB content
Related Documents:	S-123 ProdSpec draft; NIPWG 4-17.2
Related Projects:	S-123, S-127

Introduction / Background
The NIPWG has contracted out the development of two product specifications. These product specifications are at a level of maturity which justifies the discussion on how to transform relevant NPUB content to products. The respective Data Classifcation and Encoding Guides provide guidelines on how that data model can be used.

Analysis/Discussion
Generally spoken, and although being S-122 or S-123 compliant, NPUB information can be provided in many different ways.
It is not the question of the proper or improper use of the DCEG. Rather it is the question which of the ways described in the respective DCEG will be adopted by the encoder and which way promises the most value for the end users.
Annex C provides a copy of the German List of Radio Signals for the river Jade area and is the reference for the encoding provided in Annexes A and B.

One way is the provision of detailed service information by using several attributes/complex attributes (Annex A, lines 800–820):

imember	Harbour:ContactDetails	@gml:id		DECONDET12	
		featureName (2 rows)		language	name
			1	de	Wilhelmshaven Militärhafen (Neuer Vorhafen)
			2	en	Wilhelmshaven Naval Port
		callName		Wilhelmshaven Naval Port Radio	
		communicationChannel		11	
		categoryOfChannelOrFrequencyPreference		preferred calling	
		telecommunications		telcomID	+494421684920
				telcomService	voice
		<!--		A reverse link to the Authority can be added in this ContactDetails, if needed	

Another way is the provision of the same information by using a descriptive attribute which has been intentionally introduced to be able to provide additional information related to a service. (Annex B, lines 800–815)

imember	Harbour:ContactDetails	@gml:id	DECONDET12
		contactInstructions	Wilhelmshaven Militärhafen/Naval Port has the call name "Wilhelmshaven Naval Port Radio" and is available on VHF-Channel 11 which is the preferred working VHF-Channel. Additionally, it can be called by phone number +494421684920.
		<!--	A reverse link to the Authority can be added in this ContactDetails, if needed

Both methods are feasible. The latter method promises faster success in the transition process. But, the future use of the information for automatically generated services is either impossible or requires a very complicated software development.

Action Required of NIPWG
The NIPWG is invited to:
    a.   Note and discuss the paper.

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