TSMAD 23 4.5.8 – S-101 Outstanding Actions/Issues

S-101 Outstanding Issues/Actions				
#	Sec	Action/Issue	WHO	DATE
	1.1	Need to review Introduction		
	4	Need to identify where there are missing UML diagrams and review existing UML diagrams for accuracy and have someone create the UML diagrams.		
	4.3.4	Need to approve the following wording change: Changed the wording of Information types from: Information types are identifiable pieces of information in a cell that can be shared between other features. They have attributes like all other feature types but have no relationship to any geometry. Information types may reference other information types TO: Information types are identifiable pieces of information in a dataset that can be shared between other features. They have attributes but have no relationship to any geometry; information types may reference other information types.		
	4.7	Geometry – The UML diagram needs to be constrained to loxodromic.		
	4.7	Taking into account the .3mm recommendation in S-57 for linear features added the following as a constraint: • Linear features must not be encoded at a point density greater than .3mm at optimum display scale		
	4.7.2	It was commented that S-101 did not have any guidance regarding Masking of features. The following verbiage is proposed for Masking: The presentation of symbolised lines may be affected by line length. In certain circumstances, the symbolisation of an edge may need to be suppressed. This is done using the Masked Spatial Type [MASK] field of the Feature Type record. The Mask Update Instruction [MUIN] must be set to {1} and Referenced Record name [RRNM] and Referenced Record identifier [RRID] fields must be populated with the values of the referenced spatial record.		

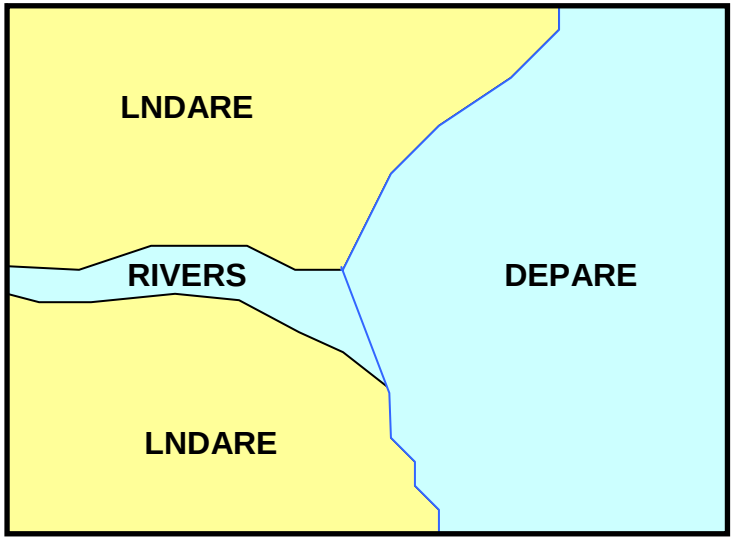

Figure 1 - Example without Masking

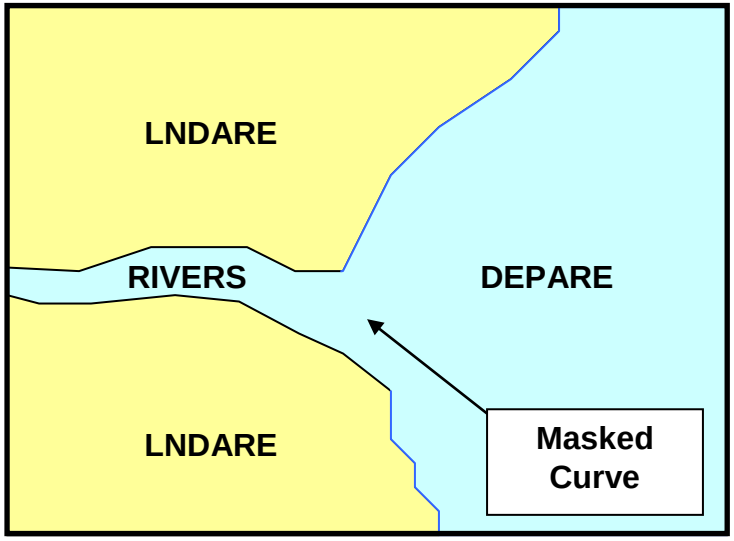

Figure 2 - Example of masked edge between Rivers and DEPARE features

	6	Propose to add conformance to S-58 and use the DQ Metadata as a basis for this clause. The DQWG work is more UOC related.		
	9	Still missing portrayal		
	11.3.1	Although the current guidance for S-57 is 50KB – I would suggest amending this to at least 100KB – which is 10% of the base dataset size.		
	11.3.1	There was some discussion in the past regarding the elimination of the use of CATCOV=1/2. Currently, S-101 only refers to the use of CATCOV=2 Data Sets within the same spatial resolution (optimum scale) may overlap. However, data within the data set must not overlap. Therefore, in the area of overlap only one data set may contain data, all other cells must have a meta feature Data**Coverage** with categoryOfCoverage = 2 covering the overlap area. This rule applies even if several producers are involved. There must be no overlapping data of the same scale, except at the agreed adjoining national data limits, where, if it is difficult to achieve a perfect join, a 5 metre overlapping buffer zone may be used. Is the wording above what was intended by TSMAD? If not is there a way to amend the wording.		

S-101 Record of Changes			
Section	Change		
1.1	Added some introductory language		
1.2	Added S-100 as a reference		
3	Added “optimum” before scale to align with the principle that the spatial resolution is set at the optimum display scale		
4.1.1	Removed references to theme as it was decided at TSMAD 22 that there was not enough support for additional themes to include them into S-101		
4.3.4	Changed the wording of Information types from: Information types are identifiable pieces of information in a cell that can be shared between other features. They have attributes like all other feature types but have no relationship to any geometry. Information types may reference other information types		

	TO: Information types are identifiable pieces of information in a dataset that can be shared between other features. They have attributes but have no relationship to any geometry; information types may reference other information types.		
4.6	Inserted revised text as a result of the GOOGLE Groups discussion, will be further discussed via a separate paper submission.		
4.7	Added the following line to the geometry constraints: • Linear features must not be encoded at a point density greater than .3mm at optimum display scale		
4.7.2	Added a new clause for MASKING in the geometry section		
6	Eliminated the UOC references – as that will be in the DCEG and will be vetted by the DQWG. Added in that it must conform to S-58 and the Data Quality elements from the S-100 metadata section		
11.2	Minor changes based on the discussion outcomes (not related to exchange set distribution with the data)		
11.3.1	Eliminated the README.TXT reference		
11.3.3	Editorial Amendment from: This section describes how S-101 defines updating methodologies for ENC datasets. TO: This section defines the sequencing of S-101 datasets for New Editions, Updates and Re-issues.		