NHN Completeness Levels Main Characteristics

Subject	CL1 Network linear flow construction	CL2 Water definition construction	CL3 Network construction	CL4 Toponymic construction
Network linear flow	**Network linear flow features (primary and secondary) must be present**	*Network linear flow features (primary and secondary) must be present*	*Network linear flow features (primary and secondary) must be present*	*Network linear flow features (primary and secondary) must be present*
	"Level Priority" and "Flow Direction" attributes may be unknown	*"Level Priority" and "Flow Direction" attributes may be unknown*	**"Level Priority" and "Flow Direction" attributes must be set to a known type**	*"Level Priority" and "Flow Direction" attributes must be set to a known type*
	Network continuity not validated	*Network continuity not validated*	**Network continuity validated**	*Network continuity validated*
	Network directionality not validated	*Network directionality not validated*	**Network directionality validated for "Primary", "Constructed" and "Secondary observed" features.** *Directionality not validated for "Secondary infered" features*	*Network directionality validated for "Primary", "Constructed" and "Secondary observed" features. Directionality not validated for "Secondary infered" features*
Hydrography	**Hydrographic features must be present**	*Hydrographic features must be present*	*Hydrographic features must be present*	*Hydrographic features must be present*
	"Water Definition" attribute may be unknown	**"Water Definition" attribute must be set to a known water definition type**	*"Water Definition" attribute must be set to a known water definition type*	*"Water Definition" attribute must be set to a known water definition type*
		Mimimum : distinction between lakes, rivers and oceans (littoral)	*Mimimum : distinction between lakes, rivers and oceans (littoral)*	*Mimimum : distinction between lakes, rivers and oceans (littoral)*
Manmade	**Manmade features must be present**	*Manmade features must be present*	*Manmade features must be present*	*Manmade features must be present*
	Minimum : Dams and Dike/Levee	*Minimum : Dams and Dike/Levee*	*Minimum : Dams and Dike/Levee*	*Minimum : Dams and Dike/Levee*
Island	*Some islands may be missing*	*Some islands may be missing*	*Some islands may be missing*	**All islands present**
Toponyms	**Toponyms must be present**	*Toponyms must be present*	*Toponyms must be present*	*Toponyms must be present*
	Toponyms are present *- as attributes to features* *or* *- as Named features whether or not the topographic feature exists*	*Toponyms are present* *- as attributes to features* *or* *- as Named features whether or not the topographic feature exists*	**Toponyms are present :** **- as attributes if the topographic entity exists** **- as Named features if the topographic entity does not exist**	*Toponyms are present :* *- as attributes if the topographic entity exists* *or* *- as Named features if the topographic entity does not exist*
	The toponymic source is not necessarily the official (eg source can be names that were on NTDB maps)	*The toponymic source is not necessarily the official (eg source can be names that were on NTDB maps)*	*The toponymic source is not necessarily the official (eg source can be names that were on NTDB maps)*	**The toponymic source must be official and up-to-date**
	Named features can have a temporary geometry (e.g. Bay = point)	*Named features can have a temporary geometry (e.g. Bay = point)*	*Named features can have a temporary geometry (e.g. Bay = point)*	**Proper Geometry is created for named feature (e.g. Bay = Polygon)**
	Toponymic continuity on the network not validated	*Toponymic continuity on the network not validated*	**Toponymic continuity on the network validated**	*Toponymic continuity on the network validated*
Events	**Events crossing a network feature must be present**	Events crossing a network feature must be present	Events crossing a network feature must be present	Events crossing a network feature must be present
Watershed limit	Consistensy between features and watersherd limit not validated	Consistensy between features and watersherd limit not validated	**Consistensy between features and watersherd limit validated**	Consistensy between features and watersherd limit validated

Note :	*Only delimiters and junctions corresponding to existing hydrographic features are present for each completness level*