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Permitted as from:

01/01/2002
Saint Lawrence Seaway Development Corporation

Technical point of contact:

U.S. Department of Transportation
John A. Volpe
Transportation Systems Center
55 Broadway
Cambridge, MA 02142

Reporting Rate:

Number of slots (max):

Each individual Seaway message has an assigned update interval established by the Seaway Traffic Management System (TMS). However, the AIS network may elect to retransmit any messages, system resources permitting, at more frequent intervals.

Used by: Saint Lawrence Seaway Development Corporation

Area link: [St. Lawrence River sector](#) [1]
[Welland Canal sector](#) [2]

Details:

Parameter	Number of bits	Description
Designated Area Code	10	The Designated Area Code will be 366 for the United States and 316 for Canada depending on the location of transmitter. Refer to Section 1.1 for description
Function Identifier	6	FI=1
Reserved	2	
Message ID	6	Message Identifier = 6 (00 0110 in binary)
Binary Data	Max 864	Message contains 1 to 6 water level reports, each structure as defined in next table.
Total Number of bits	Max 888	= 24 + N*144
	N Total Bits	(Slots Required)
	1 168 bits	(2 slots)
	2 312 bits	(2 slots)
	3 456 bits	(3 slots)

4 600 bits	(4 slots)
5 744 bits	(4 slots)
6 888 bits	(5 slots)

Water Flow Report

Parameter	Number of bits	Description
Timetag	20	Month, Day and Time of measurement, See UTC Time
Station ID	42	Seven 6-bit ASCII character ID
Longitude	25	Longitude in 1/1000 minute (± 180 degrees, East = positive, West = negative. 181 degrees = not available)
Latitude	24	Latitude in 1/1000 minute (± 90 degrees, North = positive, South = negative. 91 degrees = not available)
Water Level	14	Water flow in cubic meters per second (16383 = Not Available)
Reserved	19	Reserved bits for future use
Total Number of bits	144	

Source URL (modified on 13/10/2020 - 11:18): <https://www.e-navigation.nl/content/water-flow-message-seaway>

Links

[1] <https://www.e-navigation.nl/content/st-lawrence-river-sector>

[2] <https://www.e-navigation.nl/content/welland-canal-sector>