(8 May 2013)

CREX Table D – *List of common sequences*

F	X	CATEGORY OF SEQUENCES	Status

NONE

Category 06 – Meteorological or oceanographic sequences common to oceanographic observations

SEQUENCE	TABLE REFERENCES F X Y	ELEMENT NAME	Status
		(Sequence for representation of tide station identification, method of transmission, time the message is transmitted and reference time for reports in a time series)	
D 06 011	D 01 021	Latitude, longitude (high accuracy)	Validation
	B 01 075	Tide station alphanumeric ID (5 characters)	
	B 02 147	Method of transmission to collection centre	
	D 01 011	Year, month, day (Time the message is transmitted to the collection centre)	
	D 01 013	Hour, minute, second	
		(Sequence for representation of sensor type, significance qualifier for sensor and status of operation)	
D 06 012	B 02 007	Type of sensor for water level measuring instrument	Validation
	B 08 015	significance qualifier for sensor	
	B 08 032	Status of operation	
	D 06 029	Sample (interval, period, numbers)	
		(Sequence for representation of ancillary meteorological data associated with water level data)	
D 06 016	D 01 011	Year, month, day (Reference date/time for the time series)	Validation
	D 01 013	Hour, minute, second	
	B 10 004	Station level pressure	
	B 10 051	Mean sea level pressure	
	D 02 032	Temperature, humidity, wind	
		(Template for tide elevation)	
		Station identification	
D 06 026	B 01 075	Tide station identification	Validation
	B 01 015	Station or site name	
	D 01 021		
	D 01 011		
	D 01 013		
	R 15 000	Delayed replication of 15 descriptors	
	B 04 016	Time increment (offset) – in seconds	
	B 08 015	Identification of primary or secondary sensor	
	B 02 007	Type of sensor	
	B 22 120	Tide station automated water level check	
	B 22 121	Tide station manual water level check	
	B 04 016	Time increment – in seconds	
	R 08 000	Delayed replication of 8 descriptors	
	B 10 051	Pressure reduced to mean sea level	
	B 22 038	Tidal elevation with respect to local chart datum	
	B 22 040	Meteorological residual tidal elevation (surge or offset)	
	B 04 026	Time period or displacement (averaging period) – in seconds	
	R 03 004	Replicate 3 descriptors 4 times	
	B 08 023	First-order statistics (mean, max., min., standard dev.)	
	B 22 038	Tidal elevation with respect to local chart datum	
	B 22 040	Meteorological residual tidal elevation (surge or offset)	

Category 07 – Surface report sequences (land)

SEQUENCE	TABLE REFERENCES F	X	Y	ELEMENT NAME	Status
				(Synoptic data for national use (Canada))	
D 07 100	B	04	024		Validation
	R	02	000		
	B	31	000		
	B	13	057		
	B	26	020		
	R	01	000		
	B	31	000		
	B	13	012		
	D	01	012		
	B	04	024		
	R	03	000		
	B	31	000		
	B	02	006		
	B	14	031		
	B	02	006		
	R	04	000		
	B	31	000		
	B	02	175		
	B	13	119		
	B	02	175		
	B	13	120		
	R	07	000		
	B	31	000		
	B	08	021		
	B	04	004		
	B	04	005		
	B	11	001		
	B	08	023		
	B	11	002		
	B	08	021		
	B	04	024		
	D	01	012		

Category 08 – Surface report sequences (sea)

SEQUENCE	TABLE REFERENCES F X Y	ELEMENT NAME	Status
		(Report from a buoy observation)	
D 08 008	D 01 093		Validation
	D 02 062		
	D 02 063		
		(Synoptic report from a sea station suitable for SHIP observation data from VOS station)	
D 08 014	D 01 093	Ship identification, movement, type, date/time, horizontal and vertical coordinates	Validation
	D 02 062	SHIP "instantaneous" data from VOS	
	D 02 063	SHIP "period" data from VOS	

Category 15 – Oceanographic report sequences

SEQUENCE	TABLE REFERENCES F X Y	ELEMENT NAME	Status
		(Typically reported underwater sounding without optional fields)	
D 15 006	B 01 011	Ship's call sign	Validation
	D 01 011	Date	
	D 01 012	Time	
	D 01 023	Latitude and longitude (coarse accuracy)	
	D 06 032	Depth, temperature, salinity	