20.3.4.10 Message Type 10 – NGA Update

The Type 10 Message is the National Geospatial-Intelligence Agency (NGA) update message. Currently, one message subtype is defined. Other subtypes may be implemented in the future.

Subtype Identifier	Use
1	Datum Transformation Parameters
0, 2-15	Reserved for future use

Content	Field Number	No. Bits
Subtype Identifier	1	4
Datum Code	2	48
Cycle Number	3	4
Transformation type	4	1
WN_{dx}	5	13
t_{dx}	6	8
Δa	7	21
Δf	8	28
ΔX	9	15
ΔY	10	15
ΔZ	11	15
R_x	12	21
R_y	13	21
R_z	14	34
ΔS	15	18
Spare	16	54
Total	-	320

Figure 20-18c. Format of Message Type 10, Subtype 1