Table 10.7 - Elements of featureAttributeTable compound datatype

| **No** | **Attribute** | **Description** | **Mult** | **Data type** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1 | id | Metadata record identifier | 1 | Integer unsigned 32-bit | Each record must have a unique identifier. |
| 2 | dataAssessment | The categorization of the assessment level of bathymetric data for an area. | 0..1 | Integer unsigned 8-bit | 1: Assessed  2: Unassessed  3: Oceanic |
| 3 | featuresDetected .leastDepthOfDetectedFeaturesMeasured | Expression stating if the least depth of detected features in an area was measured. | 0..1 | Integer unsigned 8-bit | Boolean, Values: 1 (TRUE); 0 (FALSE)  See Note 1. |
| 4 | featuresDetected .significantFeaturesDetected | A statement expressing if significant features have or have not been detected in the course of a survey. | 0..1 | Integer unsigned 8-bit | Boolean, Values: 1 (TRUE); 0 (FALSE)  See Note 2. |
| 5 | featuresDetected .sizeOfFeaturesDetected | The size of detected bathymetric features in an area. | 0..1 | Float 32-bit | See Notes 3 and 4. |
| 6 | featureSizeVar | Percentage of depth that a feature of such size could be detected | 0..1 | Float 32-bit | Set to zero if the feature size does not scale with depth.  See Notes 3 and 4. |
| 7 | fullSeafloorCoverageAchieved | Expression stating if full seafloor coverage has been achieved in the area covered by hydrographic surveys. | 0..1 | Integer unsigned 8-bit | Boolean, Values: 1 (TRUE); 0 (FALSE)  See Note 5. |
| 8 | bathyCoverage | Flag for nodes populated by interpolation. | 0..1 | Integer unsigned 8-bit | Boolean, Values: 1 (TRUE); 0 (FALSE)  See Note 6. |
| 9 | zoneOfConfidence .horizontalPositionUncertainty .uncertaintyFixed | The best estimate of the fixed horizontal ~~or vertical~~ accuracy component for positions~~, depths, heights, vertical distances and vertical clearances~~. | 0..1 | Float 32-bit | Specialized from uncertaintyFixed in GI Registry |
| 10 | zoneOfConfidence .horizontalPositionUncertainty .uncertaintyVariableFactor | The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the variable horizontal ~~or vertical~~ accuracy component for positions~~, depths, heights, vertical distances and vertical clearances~~. | 0..1 | Float 32-bit | Specialized from uncertaintyVariable‌Factor in GI Registry |
| 11 | surveyDateRange.dateStart | The start date of the period of the hydrographic survey. | 0..1 | String | ISO 8601:2004 date format. Complete or truncated date, see S-100 Table 1-2. |
| 12 | surveyDateRange.dateEnd | The end date of the period of the hydrographic survey. | 0..1 | String | ISO 8601:2004 date format. Complete or truncated date, see S-100 Table 1-2. |
| 13 | sourceSurveyID | The survey filename or ID | 0..1 | String |  |
| 14 | surveyAuthority | The authority which was responsible for the survey. | 0..1 | String |  |