|  |  | **Threshold** | **Target** |
| --- | --- | --- | --- |
| **1** | **General Metadata** |  |  |
| 1.1 | Traceability | Not required | Not Assessed |
| 1.2 | Metadata Machine Readability | Verified | Not Assessed |
| 1.3 | Product type | Verified | Not Assessed |
| 1.4 | Document Identifier | Verified | Not Assessed |
| 1.5 | Data Collection Time | Verified | Not Assessed |
| **1.6** | **Source Data Attributes** |  |  |
| 1.6.1 | Source Data Access | Verified | Not Assessed |
| 1.6.2 | Instrument | Verified | Not Assessed |
| 1.6.3 | Source Data Acquisition Time | Verified | Not Assessed |
| 1.6.4 | Source Data Acquisition Parameters | Verified | Not Assessed |
| 1.6.5 | Source Data Orbit Information | Verified | Not Assessed |
| 1.6.6 | Source Data Processing Information | Verified | Not Assessed |
| 1.6.7 | Source Data Image Attributes | Verified | Not Assessed |
| 1.6.8 | Sensor Calibration | Not required | Not Assessed |
| 1.6.9 | Performance Indicators | Verified | Not Assessed |
| 1.6.10 | Source Data Polarimetric Calibration Matrices | Not required | Not Assessed |
| 1.6.11 | Mean Faraday Rotation Angle | Not required | Not Assessed |
| 1.6.12 | Ionosphere Indicator | Not required | Not Assessed |
| **1.7** | **CARD4L Product Attributes** |  |  |
| 1.7.1 | Product Data Access | Verified | Not Assessed |
| 1.7.2 | Ancillary Data | Not required | Not Assessed |
| 1.7.3 | Product Sample Spacing | Verified | Not Assessed |
| 1.7.4 | Product Filtering | Verified | Not Assessed |
| 1.7.5 | Product Bounding Box | Verified | Not Assessed |
| 1.7.6 | Product Image Extent | Verified | Not Assessed |
| 1.7.7 | Product Image Size | Verified | Not Assessed |
| 1.7.8 | Product Pixel Coordinate Convention | Verified | Not Assessed |
| 1.7.9 | Product Coordinate Reference System | Verified | Not Assessed |
| **2** | **Per-Pixel Metadata** |  |  |
| 2.1 | Metadata Machine Readability | Verified | Not Assessed |
| 2.2 | Data Mask Image | Verified | Not Assessed |
| 2.3 | Scattering Area Image | Not required | Not Assessed |
| 2.4 | Local Incident Angle Image | Verified | Not Assessed |
| 2.5 | Ellipsoidal Incident Angle Image | Not required | Not Assessed |
| 2.6 | Noise Power Image | Not required | Not Assessed |
| 2.7 | Gamma-to-Sigma Ratio Image | Not required | Not Assessed |
| 2.8 | Acquisition ID Image | Verified | Not Assessed |
| 2.9 | Per-Pixel DEM | Not required | Not Assessed |
| **3** | **Radiometric Terrain Corrected Measurements** |  |  |
| 3.1 | Backscatter Measurements | Verified | Not Assessed |
| 3.2 | Scaling Conversion | Verified | Not Assessed |
| 3.3 | Noise Removal | Verified | Not Assessed |
| 3.4 | Radiometric Terrain Correction Algorithms | Verified | Not Assessed |
| 3.5 | Radiometric Accuracy | Not required | Not Assessed |
| **4** | **Geometric Terrain Corrections** |  |  |
| 4.1 | Geometric Correction Algorithms | Not required | Not Assessed |
| 4.2 | Digital Elevation Model | Verified | Not Assessed |
| 4.3 | Geometric Accuracy | Verified | Not Assessed |
| 4.4 | Gridding Convention | Verified | Not Assessed |

**CEOS-ARD Evaluation Outcome: (NRB PFS v5.5)**

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| --- | --- |
| **Threshold level:** | **Compliance verified for 31 PFS metadata items at Threshold level by WGCV PoC through 1-on-1 discussions and clarifications with JAXA representative (Ake Rosenqvist).**  ***The ALOS-2 PALSAR-2 ScanSAR 50m resolution 1°x1° tile single-date Normalised Radar Backscatter Product is CEOS-ARD compliant at Threshold level*** |
| **Target level:** | **No Assessment** |