



**NATO Air Force Armaments Group (NAFAG)  
Air Group IV (Reconnaissance and Surveillance)  
NSILI Custodian Support Team**

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ERRATA Sheet  
NSILI CST (AG IV)/E-2

NATO Air Group IV  
NATO Standard Image Library Interface  
Custodian Support Team  
Errata Sheet to STANAG 4559

In the interest of allowing the NSIL STANAG to have a stable document of reference for the development of implementations, this document defines known editorial and/or technical errors in STANAG 4559 collected during the promulgation process. Users of STANAG 4559 should be aware that these corrections will be included in the next official release of the STANAG by the NATO Standardization Agency (NSA). This document is provided to the NATO user community for information only. The document referenced below is the current release of the STANAG and forms the baseline for use of the standard.

It should be noted that editorial (or administrative) changes will be incorporated into the next amendment at the direction of the STANAG Custodian. It is expected that changes will be collected in the form of this Errata Sheet until the NSIL CST advises the Custodian that sufficient changes are identified to warrant an amendment. Technical changes will similarly be identified in this document until the Custodian and the 4559 Custodial Support Team (4559 CST) determine that a new edition is required. At that point, all outstanding changes will be incorporated into a ratification draft for the next edition and this draft will be forwarded to the nations for formal ratification.

Additions to this Errata Sheet will be cumulative. Additional changes will be added to this list until a revision to the STANAG is generated. Therefore, use of the latest list to supplement the STANAG is advised in developmental programs.

This document is identified by the Errata Sheet number and date. The following information is provided as reference to identify the baseline against which this document is to be applied.

<b>Document Name:</b>		<b>STANAG Number:</b>	
	NATO Standard Image Library Interface		STANAG 4559
<b>Edition Number:</b>		<b>Amendment Number:</b>	
	Edition 1, dated March 2002		Amendment 1

### **Administrative Changes:**

The following administrative changes will be incorporated into the next amendment or edition as appropriate.

The following changes were proposed at the 2nd 4559 CST meeting of 26-27 June 2002, as a result of implementation developments and parallel interoperability with the National Imagery and Mapping Agency *Geospatial and Imagery Access Services (GIAS) Specification*.

<b>Document Location</b>	<b>Current Text</b>	<b>New Text</b>
Annex E, page E-7, <b>Data Dictionary</b> item <b>Target Identifier (TGTID)</b>	<b>BBBBBBBBBBBFFFFF</b>	<b>BBBBBBBBBBBOOOOO</b>
STANAG, page 1 Referenced Documents	OMG document formal/99-10-07, CORBA/IIOP 2.3.1, The Common Object Request Broker: Architecture and Specification	OMG document formal/ 00-10 <del>99-10-07</del> , CORBA/IIOP <del>2.3.1</del> 2.4, The Common Object Request Broker: Architecture and Specification. NOTE: STANAG 4559 also allows use of CORBA 2.4 <del>or</del> compatible <del>higher</del> versions.
Annex D, page D-2, <u>Referenced Documents</u> , clause (3)	OMG document formal/99-10-07, CORBA/IIOP 2.3.1, The Common Object Request Broker: Architecture and Specification	OMG document formal/ 00-10 <del>99-10-07</del> , CORBA/IIOP <del>2.3.1</del> 2.4, The Common Object Request Broker: Architecture and Specification. NOTE: STANAG 4559 also allows use of CORBA 2.4 <del>or</del> compatible <del>higher</del> versions.
Table D-7 <b>Implementation Detail for Interface CatalogMgr: LibraryManager, RequestManager. For Method submit_query, Return/Parameter value aQuery, change Desc/Value(s).</b>	Valid BQS query as defined in Section 4 of the <i>Geospatial and Imagery Access Services (GIAS) Specification</i>	Valid query structure as defined in the <i>Geospatial and Imagery Access Services (GIAS) Specification</i> .

<b>Document Location</b>	<b>Current Text</b>	<b>New Text</b>
Appendix 1 to Annex D, Table D-1-6, page D-1-3, <b>order.prod_list.aSpec.ps</b> <ImageSpec>, Element/Type comp <Compression> typedef string	<p>IMAGE COMPRESSION-Codes</p> <p>"NC"  -Not Compressed</p> <p>"C1"  -Bilevel</p> <p>"C3"  -JPEG</p> <p>"C4"  -Vector Quantization</p> <p>"C5"  -Lossless JPEG</p> <p>"C6"  -future multi-component compression algorithm</p> <p>"C7"  -future complex SAR</p> <p>"C8"  -future JPEG2000 (tbd)</p> <p>"I1"  -Downsampled JPEG</p> <p>See NSIF 1.0 Annex C, paragraph 17 &amp; 18 for details.</p>	<p>IMAGE COMPRESSION-Codes</p> <p>"A"  -as is</p> <p>"NC"  -Not Compressed</p> <p>"C1"  -Bilevel</p> <p>"C3"  -JPEG</p> <p>"C4"  -Vector Quantization</p> <p>"C5"  -Lossless JPEG</p> <p>"C6"  -future multi-component compression algorithm</p> <p>"C7"  -future complex SAR</p> <p>"C8"  -future JPEG2000 (tbd)</p> <p>"I1"  -Downsampled JPEG</p> <p>See NSIF 1.0 Annex C, paragraph 17 &amp; 18 for details.</p>

The following changes were proposed at the 3rd 4559 CST meeting of 10-13 February 2003, as a result of implementation developments and parallel interoperability with the National Imagery and Mapping Agency *Geospatial and Imagery Access Services (GIAS) Specification*.

<b>Document Location</b>	<b>Current Text</b>	<b>New Text</b>
C9, Clause 3e5, Multiple libraries	Duplication of search results is potentially a problem when searching single or multiple libraries, i.e. a search may return multiple "hits" that actually refer to the same image from one or more IPLs. This issue is addressed by the use of Collection Image Identifiers and Universal Product Identifiers.	Duplication of search results is potentially a problem when searching single or multiple libraries, i.e. a search may return multiple "hits" that actually refer to the same image from one or more IPLs. Clients may attempt to utilise information available in the core metadata set to distinguish duplicate products.
STANAG, page 1 Referenced Documents	OMG document formal/99-10-07, CORBA/IIOP 2.3.1, The Common Object Request Broker: Architecture and Specification	OMG document formal/ 00-10, CORBA/IIOP 2.4, The Common Object Request Broker: Architecture and Specification. NOTE: STANAG 4559 also allows use of CORBA 2.4 compatible versions.
Annex D, page D-2, <u>Referenced Documents</u> , clause (3)	OMG document formal/99-10-07, CORBA/IIOP 2.3.1, The Common Object Request Broker: Architecture and Specification	OMG document formal/ 00-10 CORBA/IIOP 2.4, The Common Object Request Broker: Architecture and Specification. NOTE: STANAG 4559 also allows use of CORBA 2.4 compatible versions.

**Technical Changes:**

The following technical changes will be incorporated into the next edition.

The following changes were proposed at the 3rd 4559 CST meeting of 10-13 February 2003, as a result of implementation developments and technical exchange with the National Imagery and Mapping Agency *Geospatial and Imagery Access Services (GIAS) Specification*.

<b>Document Location</b>	<b>Current Text</b>	<b>New Text</b>
D11, Table D-8 <b>Implementation Detail for Interface ProductMgr : LibraryManager, AccessManager, Method, get_parameters, UCO::NameList, Desc/Value(s)</b>	Cataloging is assuming single image products only.	
D13, table D-10 <b>Implementation Detail for Interface OrderRequest : Request, Method, complete, Delivery Manifest, Desc/Value(s)</b>	For NITF: file_id*, file_id.rl, file_id.r2, etc...(note *file_id is RO)	For NSIF: file_id*, file_id.rl, file_id.r2, etc...(note *file_id is RO)
D13, table D-11 <b>Implementation Detail for Interface SubmitQueryRequest : Request, NOTE</b>		Further instructions on DAG structures are in Appendix 1, section 5.
D-1-5, App. 1, clause 4a	The attribute name for Product references returned in query results data structures shall be PRODUCT.	
D-1-6, App.1, clause 4b <i>not captured in Amendment 1 of Edition 1</i>	...attempting to use a Product reference generated by a different IPL will result in an UnknownProduct exception.	...attempting to use a Product reference generated by a different IPL will result in unspecified behaviour.
D-1-7 Fig D-1-1, <b>Complete DAG_Results Format</b> Node: 0 box	Node: 0 Name: NSIL Interface: Image Product Type: UCO.ROOT_NODE Value: UID::Product	Node: 0 Name: NSIL Interface Image Product Type: UCO.ROOT_NODE Value: UID::Product
Annex E, clause 3 Data Dictionary item FDT	<b>File Date and Time (FDT)</b> Data Type: UCOS:AbsTime	<b>File Date and Time (FDT)</b> Data Type: UCO:AbsTime
Annex E, clause 3 Data Dictionary item FL	<b>File Length (FL)</b> DataType: UCOS:FileSize	<b>File Length (FL)</b> DataType: UCO:FileSize
Annex E, clause 3 Data Dictionary item IDATIM	<b>Image Date and Time (IDATIM)</b> Data Type: UCOS:AbsTime	<b>Image Date and Time (IDATIM)</b> Data Type: UCO:AbsTime
Annex E, clause 3 Data Dictionary item IGEOL	<b>Image Geographic Location (IGEOL)</b> Data Type: UCOS:Polygon	<b>Image Geographic Location (IGEOL)</b> Data Type: UCO:Polygon