

## About This Standard

Mandated

**Standard Identifier** DGIWG FACC

**Title of Standard**

DGIWG Feature and Attribute Coding Catalogue

**Standards History**

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2004-12-22	n/a	2004-12-22	2004-12-22	2006-06-27	n/a

**Sunset Tag**

2012-12-31

**Sunset Event**

Legacy/heritage systems expect to be using FACC variant products for several years before new systems are acquired that can exchange GEOINT data developed using the FACC replacement suite of mandated standards, i.e., DGIWG Feature Data Dictionary (DFDD), NSG Feature Data Dictionary (NFDD), and NSG Entity Catalog (NEC).

**Standards Body**

[NGA](#)

[Broken Link?](#)

**URL to Access or Acquire**

<http://www.dgiwg.org>

**Working Group**

**Primary Owner**

Geospatial Intelligence TWG (GWG)

**Secondary Interests**

Messaging Format/Symbology TWG  
Application / Messaging TWG  
Modeling and Simulation TWG  
DoD Intelligence  
Discovery TWG  
Warfighting

**Service Area**

GEOINT: Geospatial

**KIPs**

No KIP Found

**Standard Applicability**

**2004-12-22**

This standard is applicable to the storage, manipulation, interchange, and exploitation of geospatial intelligence data.

**Standard Abstract**

**2004-12-22**

This NATO Standard (DGIWG Feature and Attribute Coding Catalogue - FACC) specifies geospatial information concepts used by member nations of the multinational Digital Geographic Information Working Group (DGIWG) community. These concepts characterize aspects of real-world entities (or objects) and related properties, including those that are not necessarily visible or have a tangible physical form (e.g., airspace). The DGIWG FACC is a comprehensive

dictionary and coding scheme for feature types, feature attributes (properties or characteristics associated with features), and attribute values (domain of feature attributes). A standardized dictionary is required to support encoding in order to maximize interoperability and to understand the production, exchange, distribution, and exploitation of digital geographic data. The DGIWG FACC has not been developed to satisfy the requirements of any single application, product, or database. It is intended to be independent from level of resolution (scale), representation, and portrayal. The appropriate selection of DGIWG FACC feature types and feature attributes are intended to be implemented as part of the overall solution for an application, by means of a database (supported by a data schema or model), a product, or dataset (defined according to a format specification and a data model). The DGIWG FACC allows for individual nations to define "national" feature types and feature attributes for cases where such feature types and feature attributes are not readily defined in the normative DGIWG FACC. National extensions are not specified within the normative DGIWG FACC, and may not support interoperability. National extensions may, if proposed and approved, be incorporated into future editions of the normative DGIWG FACC.

### **Profiling Questions**

- GEOINT: Geospatial**
- Does the application require access to definitions or descriptions of items of geospatial information?

### **Products Incorporating This Standard**

None

### **Relevant Information**

None

### **Implementation Guidance**

None

### **Standard Selection Criteria**

#### **Net-Centric Interoperability**

DGIWG FACC is one of a family of standards developed by the multi-national Digital Geographic Information Working Group (DGIWG) to support acquiring, processing, analyzing, accessing, presenting and transferring geospatial information in digital/electronic form between different users, systems and locations. This standard is designed to support net- and data-centric specification of items of geospatial information.

#### **Technical Maturity**

DGIWG FACC has been developed, maintained, and enhanced since 1989 on the basis of evolving information systems technology. It is in active use within the NGA, the National System for Geospatial-Intelligence (NSG), and military coalition members (both within and outside of NATO).

#### **Public Availability**

The DGIWG FACC is published in several forms and is publicly available at an open-access web site hosted by the NGA.

**Implementability**

This standard specifies geospatial information concepts used by member nations of the DGIWG community to characterize real-world entities (or objects) and related properties. Technology appropriate for implementing and using these geospatial information concepts is well established.

**Authority**

DGIWG FACC is a component of NATO Standardization Agreement (STANAG) 7074 - Digital Geographic Information Exchange Standard (DIGEST). The DGIWG FACC is used by MIL-STD-2407(1) - Interface Standard for Vector Product Format (VPF) and numerous active MIL-PRF specifications, including: MIL-PRF-32118, MIL-PRF-89023(1), MIL-PRF-89033(1), MIL-PRF-89035A, MIL-PRF-89037A, MIL-PRF-89039(2), MIL-PRF-89040A(2), MIL-PRF-0089049, MIL-PRF-89049/10, MIL-PRF-89049/11, MIL-PRF-89049/12, and MIL-PRF-89049/14.

**Standard Type**            Military

**Keywords for Search**            None