Change Request Details

Basic CR Info

DISR Number	DISR012630
Org Number	NGA00613
Standard Identifier	Geopackage 1.0
Standard Title	OGC GeoPackage Encoding Standard 1.0, 12 February 2014
Standard Class	DISR
Author	Hyler, Cheryl (cheryl.m.hyler@nga.mil, 571-557-5066)
ITSC Organization	National Geospatial-Intelligence Agency
DoD Change Request Proposal	Add a New Mandated Standard
Change Request Rationale	This OGC Encoding Standard defines GeoPackages for exchange and GeoPackage SQLite Extensions for direct use of vector geospatial features and / or tile matrix sets of earth images and raster maps at various scales. Direct use means the ability to access and update data in a "native" storage format without intermediate format translations in an environment (e.g. through an API) that guarantees data model and data set integrity and identical access and update results in response to identical requests from different client applications. GeoPackages are interoperable across all enterprise and personal computing environments, and are particularly useful on mobile devices like cell phones and tablets in communications environments with limited connectivity and bandwidth.
Supersedes	
DoD Sunset Date	
DoD Sunset Event	
IC Sunset Date	
IC Sunset Event	
CR Last Updated	2014-04-24
Current CR Phase	Working Group
Last Action Taken on this CR	Accept by Doris Bernardini
Late Reviews?	No
Classification of Title	Unclassified
Classification of Document	Unclassified
Classification of Standard Citation	Unclassified

Standard Citation

Abstract	This OGC Encoding Standard defines GeoPackages for exchange and GeoPackage SQLite Extensions for direct use of vector geospatial features and / or tile matrix sets of earth images and raster maps at various scales. Direct use means the ability to access and update data in a "native" storage format without intermediate format translations in an environment (e.g. through an API) that guarantees data model and data set integrity and identical access and update results in response to identical requests from different client applications. GeoPackages are interoperable across all enterprise and personal computing environments, and are particularly useful on mobile devices like cell phones and tablets in communications
Applicability	This standard was approved in March of 2014. GeoPackage is being added to the NGA Geoint Apps Store. Applicability to the Multinational Geospatial Coproduction Program (MGCP) has been demonstrated.
Standard Selection Criterion 1: Interoperability/Supportability	GeoPackages are interoperable across all enterprise and personal computing environments, and are particularly useful on mobile devices like cell phones and tablets in communications environments with limited connectivity and bandwidth.
Standard Selection Criterion 2: Technical Maturity	GeoPackages is interoperable across all enterprise and personal computing environments and have future implementation plans for the following Army programs: Nett Warrior, TIGR, DCGS-A, JBC-P.
Standard Selection Criterion 3: Public Availability	The specification is freely available from the Open Geospatial Consortium at http://www.opengeospatial.org/standards/geopackage.

Standard Selection Criterion 4: Implementability	Implementations - 3 organizations with 5 products Compusult Limited -GO Mobile 1.4.1 Luciad - LuciadLightspeed 2013, LuciadMap 2013, LuciadMobile 2013 Open Geospatial Consortium - SimpleWFS 1.0
Standard Selection Criterion 5: Authority	The standard was developed and is maintained by the Open Geopspatial Consortium. The Open Geospatial Consortium is an international organization with members from industry, government and academia which uses an open process for developing and maintaining standards for geospatial information and services.
TWG - Primary Reviewer/Owner	Geospatial Intelligence (GWG)
TWG - Secondary Interests	
Service Area(s)	1. Application-Oriented (GPS) 2. GEOINT: Geospatial
Standards Development Organization	OGC
URL to Access or Acquire this Standard	http://www.opengeospatial.org/standards/geopackage
Keywords (Comma Separated)	GeoPackage, Mobile, Encoding
Products Incorporating this Standard	Implementations of this standard include: (1) Compusult Limited -GO Mobile 1.4.1; (2) Esri - ArcGIS 10.2.1, ArcGIS 10.2.2; (3) Luciad - LuciadLightspeed 2013, LuciadMap 2013, and LuciadMobile 2013; and (4) Open Geospatial Consortium - SimpleWFS 1.0.
Single Profiling Question	Does your system need a mobile data encoding standard?
Options and/or Implementation Conventions	
Guidance for Implementing this Standard	
Information/Guidance Linked to this Standard	
Relevant Information/Additional Comments	

STANAG Only Information

Does your proposal involve a Standardized NATO Agreement (STANAG)?	No

IC Only Information

Proposed IC Status	IC-Mandated
Scope	Layer 5 - Applications and Content Enabling Software
Domain	Global - IC, DoD, Coalition
IC Domain Elements	
Collaborating Standard(s) Analysis	
Competing Standard(s) Analysis	
Off-the-Shelf Compliant Product Analysis	
Compliance and Verification Methods and Approaches	
Activity Summary	

CR History

User	Date	Phase	Action	Rationale/Note
Bernardini, Doris	2014-04-24	CR Reviewer	Accept	
Bernardini, Doris	2014-04-24	CR Reviewer	CR Edit/ Note Added	**Auto-Generated**Change Request Details Edited.
Bernardini, Doris	2014-04-24	CR Reviewer	CR Edit/ Note Added	**Auto-Generated**Change Request Details Edited.
Flowers, Patricia Contractor	2014-04-23	Organization	Accept	
Hyler, Cheryl	2014-04-03	Author	Submit	null