

Map Production Guidelines Working Group

Goal

2006 Task List

Activities Completed

2007 Focus

Goal

Compile a set of standards applicable to most mapping situations

Geospatial data recommendations –

“scales, smallest mapping units, file interchange formats, map projections, pixel size of raster maps, etc.”

Cartographic output guidelines –

“generalized cartographic layout, content, marginal information, coloration, fonts, line types and symbology for scales of interest”

2006 Task List

1. Explore the consolidation of DPKO, FAO and other UN documents focusing on Map Production Guidelines.
2. Release as draft guidelines.
3. Update with amendments as necessary.

Inventory of existing resources

FAO

Guide to spatial standards

DPKO, WFP, OCHA

Graphic Style sheets

OCHA, UNHCR

in addition to graphic style sheets, gives data to make maps
(working templates and symbol libraries)




Activities completed

- ▶ Studied the map production guidelines documents produced by FAO, DPKO and other UN entities.
- ▶ Compiled sample map products from various UN agencies as reference material.
- ▶ Identified elements of a print map to standardize on.
- ▶ Obtained map symbol sets from various UN GIS shops to compile a digital symbol library.
- ▶ Developed multiple map layout designs and solicited feedback from users.
- ▶ Created ArcGIS map templates and their PDF versions for easy viewing.
- ▶ Created an ArcGIS Symbol-set Library.
- ▶ Generated a set of individual graphic files for each map symbol.
- ▶ Developed color gradients and line styles for a limited set of feature classes.

Activities completed continued....

- ▶ Produced a "how to create a map using PowerPoint" document for beginners.
- ▶ Generated a set of example maps for download to demonstrate the map templates in action.
- ▶ Produced a video of a live demonstration where a symbol set was deployed via a Web Service supporting the Style Layer Description (SLD) standard being utilized by various thin and rich GIS clients including Google Earth, ArcGIS, uDIG and MapBuilder displaying data on South Asia Earthquake humanitarian operations.
- ▶ Developed a Map Production Guidelines web site for OCHA (<http://ochaonline2.un.org/mapguidelines>) as an example where relevant resources are posted along with links to a few selected Web sites and an e-mail facility to contact the Webmaster.
- ▶ Explored the provisioning of an SLD Web Service by the UNGIWG Interoperability Working Group (UNEP) to offer online access to UN map symbol sets.



**OCHA**
United Nations Office
for the Coordination of
Humanitarian Affairs

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English

Welcome

Thursday, November 02, 2006

Welcome
Style Sheets
Templates
Examples
Contact

Map Template Working Group: Goals

Acknowledging the diversity of map contents and functions, and the creativity of Cartography – our aim is to begin to set basic standards for map production within OCHA and not to stifle the excellent work coming out of the HICs and IMUs.

Field mapping is riddled with complicated factors such as short timelines, a range of data providers, competing objectives of partners and quality of data.

Standards for map production will:

- 1- Increase the **speed** of production, especially for new staff;
- 2- Start **branding** OCHA-field map products;
- 3- Ensure minimum **content, metadata and disclaimers** are included

Two map styles have been included to suite the needs of your office.

Key References

Disclaimers and Disputed Boundary Guide

Official country names

What information is on this site?

Style Sheets:

- Introduction
- Elements of a print map – reference list of the key map legend items and suggestions (style sheet and long text version)
- Style sheets – general reference including country depictions and a range of shade sets
- Symbol set library in – an ESRI Style file
- Guide to making maps for non-GIS staff - "How to make a map if you don't know GIS"

Templates:

PDF and ESRI templates for two OCHA styles: *Standard Style* and *Sit-Rep Style*

Examples:

Finished maps that use the standard styles

Comments:

Please send in examples, comments or suggestions



Map Production Guidelines Working Group

An Index to UN Map Standards, version 1

This UNGIWG Map Production Working Group page indexes *Map Production Guidelines* from each participating UN Agency or Office linking key map related themes with standards recommended in the original documents (accessible via the links on the left margin). By cross-referencing Agency/Office-specific implementation of key themes, this resource highlights the commonalities and differences among map production practices in the UN.

It is believed that by making this information and support materials (symbol set libraries, map layout templates, etc.) readily accessible to GIS and cartography professionals across the UN system, best practices in map production will be recognized and convergence towards common standards that ensures the production of quality print maps are facilitated.

The UNGIWG Map Production Working Group intends to develop its repository of map symbol libraries, map templates, sample maps, tools and services based on cross-platform open standards. However, the repository will also contain resources in proprietary formats that are in use by GIS shops at various UN agencies and offices. Geospatial professionals are encouraged to contribute to this common resource in any way they see fit.

For more information on the work plan to further develop this resource page, contact the Map Production Guidelines Working Group at mpg@ungiwg.org.

Key Map Production Guidelines

- ◆ DPKO - S.1 (2004)
- ◆ FAO - V1 (2003)
- ◆ OCHA - V1 (2006)
- ◆ UNHCR protection
- ◆ WFP - V7 (2003)
- (add a statement of use)

ink

Cartographic Production

Map Production (A4 print map)	Map Layout (legend, map placement, branding, etc)	Symbol Style Sheets and Libraries (style sheets of lines, symbols, fonts, and other map themes, etc)
◆ DPKO -	PDF Layout	PDF style sheets -
◆ FAO -	PDF Layout	-
◆ OCHA -	PDF Layout - Standard style PDF Layout - Sit-Rep style	PDF style sheets;
◆ UNHCR -	ArcGIS Templates (zipped XX format - kb)	ArcGIS style file (size) - limited selection of symbols
◆ UNHCR -	-	PDF style sheet; True Type Font (TTF) file (kb) - Symbols focus on Protection

Boundary Disclaimers	Source	Link
Recommendation	Cartographic Section - Summary Of International Boundary Disputes and Geo-Political Anomalies (October 2005)	http://www.ochaopt.org/MapTemplates/uncls_boundary_guideline_oct05.pdf
Country Names	Source	Link
Recommendation	UN Statistical Section Division (official country names and ISO 3 code)	English http://unstats.un.org/unsd/methods/m49/m49alpha.htm French http://unstats.un.org/unsd/methods/m49/m49alphaf.htm

Data Exchange and display

2007 Focus

- ▶ Add and maintain reference pages on the UNGIWG Web site for Map Production Guidelines Working Group along the lines exemplified in the prototype site developed for OCHA.
- ▶ Within the services-oriented framework of the UNSDI architecture, work closely with the Interoperability Task Group (TG-4) to collaborate with GRID-Nairobi to provide an effective SLD Web Service component which UNEP would expose in its openGRID community as an UNGIWG offering.
- ▶ Advocate for the implementation of UNGIWG Map Production Guidelines by UNGIWG Task Groups and the larger UN geospatial information management community.
- ▶ Achieve better representation of UN entities in the composition of the Task Group