

CHARTER

Image Quality Standards Working Group (IQSWG)

April 2019



Established under the auspices of:
NITFS Technical Board (NTB)
Geospatial Intelligence Standards Working Group (GWG)

TABLE OF CONTENTS

TABLE OF CONTENTS	2
1. PURPOSE.....	3
2. MISSION.....	3
3. SCOPE	3
4. REFERENCES	3
5. IQSWG ORGANIZATION.....	4
6. IQSWG FUNCTIONS AND RESPONSIBILITIES	4
7. KEY IQSWG ACTIVITIES.....	5
APPENDIX A – ACRONYMS	7

1. Purpose

This charter establishes the Image Quality Standards Working Group (IQSWG) in support of the NITFS Technical Board (NTB) and Motion Imagery Standards Board (MISB) under the Geospatial Intelligence (GEOINT) Standards Working Group (GWG). The GWG serves as a Department of Defense (DoD), Intelligence Community (IC), Federal and Civil community-based forum to:

- a. Establish the National System for Geospatial-Intelligence (NSG) GEOINT Standards Baseline;
- b. Advocate for Information Technology (IT) standards and standardization activities related to GEOINT; and
- c. Provide the GEOINT Standards Baseline (GSB) input to the joint DoD and IC Enterprise Standards Baseline (ESB) process.

The IQSWG serves as the community forum responsible for providing governance of NSG IQ standards and configuration management of National Geospatial-Intelligence Agency (NGA) Image Quality and Utility (NIQU) Image Quality (IQ) standards and scales. The IQ standards provide the basis for ensuring the quality, integrity, and fidelity of digital image products for the GEOINT community. IQ standards provide the recommended standard attributes, parameters, and base measurements of softcopy image processing, exploitation environments, NIIRS scales, and workstation displays for U.S. recognized entities and subdivisions, in alignment with International Organization for Standardization (ISO)/TS 19264-1:2017. The IQSWG will:

- a. Establish operational plans, assign responsibilities, and provide direction for implementation of the IQSWG in accordance with Title 10 U.S. Code, Section 442(a), The DoD's Information Quality Guidelines, and developed in accordance with Section 515, Treasury and General Government Appropriations Act (Public Law 106-554).
- b. Establish and manage procedures for NSG IQ standards and scales; and coordinate publication in accordance with procedures established by the Senior GEOINT Authority (SGA) for GEOINT Standards.
- c. Establish policy, assign responsibilities, and provide direction for certifying image quality standards and scales in support of GEOINT community users.

2. Mission

The IQSWG shall function to maximize the quality, fidelity, and integrity of image products by continuously validating NSG IQ standards.

3. Scope

The IQSWG is responsible for addressing, within the NSG, IQ standardization requirements associated with the display, accuracy, and presentation of all U.S. derived or foreign partner shared image products.

4. References

- a. Geospatial Intelligence Standards Working Group (GWG) Terms of Reference (TOR), September 2018

- b. Geospatial Intelligence Standards Working Group (GWG), NITFS Technical Board Charter, April 2006
- c. Title 10 U.S. Code, Section 442(a), The DoD's Information Quality Guidelines, with Section 515, Treasury and General Government Appropriations Act (Public Law 106-554)
- d. National System for Geospatial Intelligence Directive (NSGD) 3201, the Geospatial Intelligence (GEOINT) Functional Manager Standards Assessment (GFMSA) Program.
- e. ISO/TS 19264-1:2017, Photography – Archiving systems -- Image quality analysis – Part 1: Reflective originals
- f. NGA.STND.0012, NSG Metadata Foundation (NMF)
- g. NGA.STND.0022, NSG Application Schema (NAS)

5. IQSWG Organization

The IQSWG organization consists of a chairperson, secretariat, voting members, and general members.

- a. Chair: The NGA Image Quality & Utility (NIQU) Division Chief or the Division Chief's delegated representative serves as the IQSWG Chair.
- b. Secretariat: The NIQU will provide or otherwise arrange for the Secretariat to provide organizational, logistical, and administrative support for the IQSWG.
- c. Voting Members: Authorized representatives from the DoD, IC, and civil federal agencies each have one vote per organization¹.
- d. General Members: Broad general membership participation by federal agencies, NSG partners, and commercial industry is encouraged.

The IQSWG will maintain a broad distribution list of members who will receive all IQSWG communications, and may participate in IQSWG meetings, but do not formally represent any federal agency positions, and are not voting members.

6. IQSWG Functions and Responsibilities

- a. Serves as the GEOINT community forum to manage NSG IQ standards and scales.
- b. Ensures community coordination of changes to NSG IQ standards and scales.
- c. Provides a venue for interested stakeholders to bring NSG IQ standardization requirements, and monitor NSG IQ standardization activities.
- d. Works with and/or monitors key DoD/IC, Federal, Allied, Civil (national and international), and commercial standards bodies to foster standards that address NSG service provider and end-user requirements.

¹ An organization, for the purposes of the IQSWG, is representation at the highest level overseeing a common mission. DIA, NGA, NRO, NSA are organizations represented by one voting member each. Each military service and command may be represented by a voting member. An organization may be below a department or agency level if the organization has a clearly identifiable mission.

- e. Coordinates with foreign partners and organizations, such as NATO, to ensure compliance with foreign network domains, security requirements, and data formatting requirements.
- f. Maintains the NSG IQ standard citations in the DISR and the IC Enterprise Standards Baseline (IC ESB).

7. Key IQSWG Activities

- a. The IQSWG will meet monthly, or as needed, and conduct most of its meetings and business electronically via teleconferencing, email, and other forms of electronic exchange of information. The Chair or any member may request a physical meeting of the IQSWG when circumstances dictate. IQSWG meetings follow a published agenda prepared and distributed by the Chair or Secretariat. The Chair, or the Chair's designated representative, directs all meetings.
- b. The IQSWG operates as a configuration management body, with members voting on behalf of their organizations. There is a two (2) member quorum participation requirement to hold meetings. The IQSWG Chair is responsible for representing the IQSWG positions and recommendations to the GWG, and informing the GWG when IQSWG participants fails to reach consensus.
- c. The IQSWG maintains unclassified and classified web pages to help manage the work of the IQSWG. The unclassified IQSWG web page is available from the GWG Focus Groups webpage (https://gwg.nga.mil/focus_groups.php). Classified IQSWG web pages are similarly named in the respective environments and available upon request from the IQSWG Secretariat.
- d. The IQSWG reviews this charter yearly for updates, and submits proposed revisions to the GWG for review and approval.

Approved:

Kristina Le

11 June 2019

Kristina Le
IQSWG Chair
NGA/CIO-T/TACQ

Date

Bryan Blank
NTB and MISB Chair
NGA/CIO-T/TAES

Date

Jerry Leicht
GWG Chair
Senior GEOINT Authority (SGA) for GEOINT Standards
Chief, NGA/CIO-T/TAES

Date

Appendix A – Acronyms

DISR	DOD IT Standards Registry
DoD	Department of Defense
ESB	Enterprise Standards Baseline
GEOINT	Geospatial Intelligence
GFMSA	GEOINT Functional Manager Standards Assessment
GSB	GEOINT Standards Baseline
GWG	Geospatial-Intelligence Standards Working Group
IC	Intelligence Community
ISO	International Organization for Standardization
IQ	Image Quality
IQSWG	Image Quality Standards Working Group
IT	Information Technology
JESC	Joint Enterprise Standards Committee
MISB	Motion Imagery Standards Board
NATO	North Atlantic Treaty Organization
NGA	National Geospatial-Intelligence Agency
NIQU	NGA Image Quality & Utility
NITFS	National Imagery Transmission Format Standard
NSG	National System for Geospatial-Intelligence
NSS	National Security Systems
NTB	NITFS Technical Board
SDO	Standard Development Organization
TOR	Terms of Reference