



GEOINT Professional Certification

Imagery Analysis: Proficiency Level II (IA-II)

Essential Body of Knowledge (EBK)

22 December 2025



Core Competency 1 - Imagery Collection (24%)

An imagery analyst has knowledge of sensor collection capabilities and limits and applies that knowledge to assist the development of collection strategies and request tasking of multiple systems to satisfy requirements. (Imagery Collection does not include collection operations management beyond the basic/developmental level).

Terminal and Enabling Certification Objectives (TCOs & ECOs)

TCO 1: Comprehend the imagery collection process to satisfy intelligence requirements.

ECO 1.1: Understand the capabilities and limitations of appropriate imagery collection platforms.

ECO 1.2: Explain the basic imagery request process and the components of an imagery collection nomination.

ECO 1.3: Recognize different requirement types and Objects of Interest (OOI) types that best satisfy the intelligence need.

ECO 1.4: Explain how multiple intelligence sources can inform the imagery collection process or imagery collection requirement.

ECO 1.5: Know the tools to research and submit collection requirements.

ECO 1.6: Define the parameters for imagery collection such as location coordinates, resolution, and periodicity, etc.

ECO 1.7: Explain how operational needs and objectives influence the selection and prioritization of imagery collection.

TCO 2: Identify the importance of developing and coordinating imagery collection strategies to satisfy requirements.

ECO 2.1: Know when to leverage imagery scientists or collection managers to optimize collection (e.g. advanced phenomenology or imagery techniques).

Core Competency 2 - Collateral and Historical Research (25%)

An imagery analyst synthesizes information from a variety of Geospatial Intelligence (GEOINT) and collateral sources to provide added value for our customers.

Terminal and Enabling Certification Objectives (TCOs & ECOs)

TCO 3: Comprehend the tools and methods used to identify, acquire, and evaluate sources of information related to GEOINT.

ECO 3.1: Describe methods used to discover GEOINT data or collateral source material to satisfy requirements.

ECO 3.2: Describe procedures used to identify, discover, export, and cite relevant imagery reports from an imagery reporting database.

ECO 3.3: Define different types of GEOINT reporting and other types of reporting.

ECO 3.4: Distinguish between an installation and a facility, and understand their functions.

ECO 3.5: Explain how to ensure database accuracy within the National System for Geospatial Intelligence (NSG) enterprise via creation, modification, and update of the database.

Core Competency 3 - Imagery Interpretation/Imagery Analysis (28%)

An imagery analyst exploits and analyzes imagery, conducts research, and synthesizes information to derive a conclusion or make an assessment. Imagery interpretation/analysis involves understanding sensor capabilities/limitations for exploitation purposes; it requires the use of software and tools.

Terminal and Enabling Certification Objectives (TCOs & ECOs)

TCO 4: Comprehend standards, concepts, and techniques used to exploit imagery and geospatial related data.

ECO 4.1: Recognize and describe image quality and characteristics affecting exploitation and analysis of Imagery.

ECO 4.2: Demonstrate general knowledge and understanding of the phenomenology of multiple sensor types for exploitation.

ECO 4.3: Understand how external factors and adversary behaviors can influence accurate and reliable assessments from imagery.

ECO 4.4: Understand how imagery metadata relates to imagery appearance, interpretability, and mensuration.

TCO 5: Comprehend advanced exploitation tools, techniques, and methodologies that satisfy intelligence requirements.

ECO 5.1: State the purpose and uses of advanced exploitation techniques.

Core Competency 4 - Production (23%)

An imagery analyst creates imagery products (written text reports, graphics, and other formats) based on customer and mission requirements.

Terminal and Enabling Certification Objectives (TCOs & ECOs)

TCO 6: Apply processes and procedures to create and disseminate imagery products and/or data in an appropriate format to the customer.

ECO 6.1: Understand how to document relevant activities by reporting findings in the appropriate database.

ECO 6.2: Determine releasability of imagery information based on policy.

ECO 6.3: Explain how the availability of imagery collection can affect the creation of imagery products.

ECO 6.4: Describe how using collateral reporting and other sources provides context and relevance to imagery analysis and can increase accuracy and confidence levels.