



# GSICS Procedure for Product Acceptance (GPPA)

## Level 1

### About GSICS

GSICS is an international collaborative effort initiated in 2005 by the World Meteorological Organization (WMO) and the Coordination Group for Meteorological Satellites (CGMS) to monitor, improve and harmonize the quality of observations from operational weather and environmental satellites of the Global Observing System (GOS).

### About GPPA

- GPPA is a procedure employed to measure acceptability of a product in GSICS and assign maturity to it.
- Ensures best practice techniques have been followed in product generation.
- GPPA has been successfully applied to GSICS corrections products in IR and VIS bands.
- Examples of products accepted via GPPA can be found in the [GSICS Product Catalogue](#).

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## Executive summary

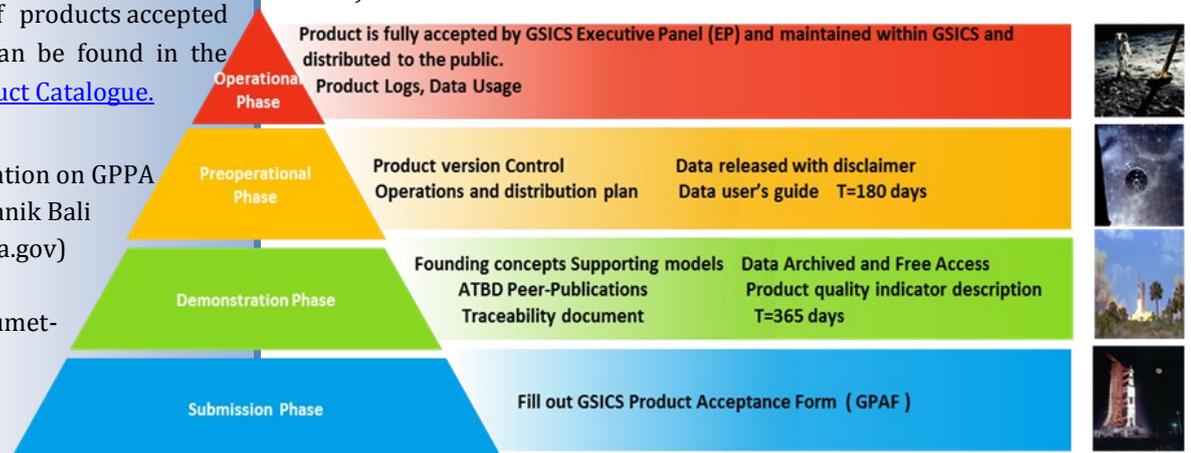
The GSICS Procedure for Product Acceptance (GPPA) is a pathway employed by the Global Space-based Inter-calibration System (GSICS) to accept satellite cross-calibration products in its portfolio and assign maturity to them. Inherited from QA4EO, the GPPA aims to determine whether the product:

- falls within the GSICS product portfolio;
- has a theoretical basis document, implementation and distribution strategy;
- has relevant quality indicators, including specified uncertainties.

### GPPA is composed of the following four phases:

- 1. Product Submission Phase:** A GSICS product acceptance form for a potential product has been satisfactorily completed and submitted to the GSICS Coordination Center.
- 2. Demonstration Phase:** The Product is determined to be within GSICS scope, its fundamental founding concepts are understood, and it meets GSICS data format/content guidelines. In this phase, the product is released solely for the purpose of evaluation within GSICS and by potential users.
- 3. Pre-Operational Phase:** The product has been determined to be a valuable part of the GSICS product portfolio, and has a developed and understood methodology, software, supporting models and measurements, uncertainty, quality indicator, and traceability to a community or SI standard.
- 4. Operational Phase:** In addition to its Pre-Operational Phase attributes, the product has a developed and understood generation, distribution, version control and archive strategies. It also has an available user guide. At this point, the product is fully accepted and maintained within GSICS.

*A product has to pass through each phase to achieve full maturity (Operational status).*



**Figure 1.** The maturity pyramid of the GPPA.