



Ground C² System For Decision Superiority

**What
For
How**

Versatile Operations Tool
Superior Decision-making
Ground Command & Control

GCCS

The Ground Command and Control System (GCCS) is a semi-automated computerised system that provides services for the conduct of the Ground Command and Control activities of an Air Force during autonomous and joint operations.

Deployed at the operational units, it is utilized by personnel located at the various Command Posts, Sector Control Centers, Control and Reporting Posts, Airbases and Squadrons.

The system is restricted by authorisation and authentication, secured by logon and access codes.

Primary role

The GCCS serves as the main tool for the following activities:

- Efficient and correct allocation and deployment of potential forces.
- Assistance in the planning of operational missions.
- Tasking of operational units.
- Swift distribution of orders, messages and reports.

Planning and Tasking

GCCS allows for effective & accurate

processing, distribution and acknowledgement of various types of orders, messages and reports. It can also be used as a tasking tool; in which case several main facilities are required.

Ground Phase Control

Various input/display formats and alarms helps to manage and control the different activities and events that take place during the ground phase of an operation.

Several types of operational messages can be used to direct the operational activity of the Air Force.





Command

The basic and most important data types required for planning activities are:

- Requests for Allocations (RFA).
- Approved Allocations (ALLO) and Mission orders (MO) which are to be executed in the future.
- current and expected availabilities.
- aircraft configurations.
- current and future deployment.

Control

- The control of the ground phase activities is based on various displays, alarms and eventual queries, for instance:

- Update Display of Flight Messages (FM's), orders, Alerts and Air Movements. The scope of the displayed data depends on the specific user authorisation.
- Alarms to indicate lack of acknowledgement and late landing.
- Category query, calculation query and specific query.
- Tasking. The GCCS task operational units through Mission orders and Air Movements.
- The processing of queries application supplies the means and methods to enable access to the information and its retrieval in various formats and cross-sections.

The active display of dynamic data presents to specific users the current status of user defined cross-sections of dynamic FM-related data.

Interfacing

Different types of messages can be distributed through the system to direct the operational activities of the air force.

The system can interface with external systems such as the Air Picture Display System and the Current Intelligence System.

All databases are highly structured and documented to a very high standard in order to facilitate the development of interfaces by other organizations.