IBM IMS Command Control Facility for z/OS

**Highlights**

- **Issues commands for DB/CTL, DC/CTL or DB/DC regions**
- **Executes IMS commands from a batch utility or from a TSO session via an ISPF interface**
- **Ensures successful processing of database START, STOP, DBR, and DBD commands**
- **Processes IMS commands across all regions in a sysplex using the batch command processor**
- **Synchronizes Online Change and database commands across all regions in a sysplex using the batch command processor**

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IMS™ Command Control Facility batch processor can run as an IMS Batch Message Partition (BMP), IMS DL/I batch, or standard MVS batch job. It can execute commands across as many as 64 IMS regions on any number of MVS images. IMS commands are read from an input data set and processed one at a time across all requested regions.

IMS Command Control Facility Version 1 can analyze command responses for database /STA, /STO, /DBD and /DBR commands. It performs analysis by interrogating the DFS0488I message and checking for acceptable return codes. IMS Command Control Facility can perform further analysis on database /DBD and /DBR commands by checking Database Recovery Control (DBRC) and verifying that the database is not open to any subsystem with Update or Exclusive access. Failed commands will be retried a user-specified number of times with a user-specified time interval between each retry.
When databases are shared among multiple IMS systems, they are often defined with different accesses. IMS Command Control Facility can use one of two techniques to set the appropriate access on /STA DB dbdname ACCESS= commands. You can tailor IMS Command Control Facility to determine the access by using the setting from the IMS System definition (MODBLKS Data Set), or by using the database definition in DBRC (Sharelv 3 means ACCESS=UP) on all systems.

IMS Command Control Facility provides several canned procedures, i.e., processes that may be performed manually by a Master Terminal Operator (MTO). Examples of IMS Command Control Facility canned procedures include:

- Coordinated Online Change, which can be performed across multiple systems by supplying a single command to the IMS Command Control Facility batch command processor. This process will coordinate the Online Change across multiple systems and minimize the potential out-of-sync conditions that might occur when the Online Change was performed manually.

- Dead Letter Queue Cleanup, which can clean up any Dead Letter Queue entries by supplying a single command to the IMS Command Control Facility batch command processor.

IMS Command Control Facility provides several different methods for error handling. The available options include the capability to:

- Abend the job with a user-specified abend code
- Terminate the job step with a user-specified return code
- Issue a WTOR to allow the operator to determine a course of action

IMS Command Control Facility also provides an ISPF interface that you can use to issue commands to an IMS subsystem interactively. Commands to any IMS system type (DB/DC, DC/CTL or DB/CTL) running in any MVS system can be issued and command responses are returned to the ISPF session.

IMS Command Control Facility can easily be customized to route commands to all IMS systems in a data sharing environment, a single IMS system or any combination of systems. IMS Command Control Facility maintains routing information in a user-customized VSAM Options data set.

IMS Command Control Facility provides a seamless conversion from installation written command processors. To simplify migration, IMS Command Control Facility has incorporated several customization options that should eliminate the need for JCL changes in most installations.

IMS Command Control Facility offers numerous features that can help you manage your database environment more efficiently and improve overall system performance.

**System Requirements**
IMS Command Control Facility supports IMS Versions 5, 6 and 7 and requires SMP/E Version 1 for installation. It also runs under OS/390®.