

IMS DB ONLINE TRAINING – DAY 7

DLI FUNCTION (GU CALL)

This call retrieves does **random processing** and retrieves segment occurrence matching the qualified SSA. GU call will always comes with a Qualified SSA.

If a GU call is issued to search a Root Segment Occurrence (Level 1),

- *there will be one Qualified SSA – Totally 1 SSA*

If a GU call is issued to search a Segment Occurrence in Level 2,

- *there will be an Qualified/Unqualified SSA for Level 1*

- *then there will be an Qualified SSA for Level 2 – Totally 2 SSAs*

If a GU call is issued to search a Segment Occurrence in Level 3,

- *there will be an Qualified/Unqualified SSA for Level 1*

- *then there will be an Qualified/Unqualified SSA for Level 2*

- *then there will be an Qualified SSA for Level 3 – Totally 3 SSAs*

DLI FUNCTION (GU CALL)

If a GU call is issued to search a Segment Occurrence in Level 15,

there will be an Qualified/Unqualified SSA for Level 1

then there will be an Qualified/Unqualified SSA for Level 2

...

then there will be an Qualified SSA for Level 15 – Totally 15 SSAs

GU call also is used for setting up parentage to a Segment type. Then, this will be followed by a GNP or GHNP calls to retrieve all the segment occurrences within the parent.

Status Codes:-

Blank - Denotes successful retrieval of segment occurrence

GE – Segment Occurrence not found

DLI FUNCTION (GNP CALL)

GNP call retrieves all Segment occurrences sequentially under an established parent.

Prior to issuing this function call, we are supposed to set parentage usually through a GN, GU or through command codes.

GNP call usually given with an unqualified SSA.

Status Codes

Blank - Denotes successful retrieval of Segment occurrence

GE – No more Segment Occurrence under an established parent

DLI FUNCTION (GET HOLD CALLS)

Get Hold calls are available for Sequential, Random processing. It is used to existing function codes like GU, GN and GNP

GHU - Get Hold Unique – Allows direct retrieval of a segment with segment locking

GHN - Get Hold Next – Allows Sequential retrieval of a segment with segment locking

GHNP - Get Hold Next within Parent – Allows sequential retrieval of a segment under the previously retrieved parent segment with segment locking

Status Codes

Blank - Denotes successful retrieval of Segment occurrence

End of Day 7