

# Command: ED-FFP-STS3C

Message category: Memory Administration  
Application: Rings

## Definition:

Edit STS3C Fast-Facility Protection (FFP).

## Restrictions:

All parameters in this command are position-defined except the *ffp\_nblk* parameters, which are name-defined. Before this command can be executed, the primary state of the drop group facility (path) associated with the FFP must have been edited to OOS-MA-AS (see [ED-STS3C](#) command). No error is returned if the PREF= value is reset to its current value.

## Function:

To edit provisioning data associated with the switching parameters of a rings STS3C FFP. The specified drop group facility identifies an FFP that has been created (implicitly) via an [ENT-CRS-STS3C](#) command (see General Notes).

## Command Format:

ED-FFP-STS3C:[tid]:aidstsp,:[ctag]:::[ffp\_nblk][:,];

| Command Parameters |   |
|--------------------|---|
| PARAMETER          | EXPLANATION   |
| [tid]              | Identification of the target NE (1...20 characters). The NE SID code is the recommended value. The default value is null.   |
| aidstsp            | Access identification code that identifies a drop group STS3C path. The value can be preceded by AID=, but this is not required. Grouping is allowed. Enter one of the following formats, replacing lowercase parameters with the values given:<br>dgx-STS3C-1 STS3C drop group path where:<br>dgx = DG1, DG2, DG3 ALL All STS3C FFP entities |
| [ctag]             | Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.  |

|            |  |
|------------|--|
| [ffp_nblk] | <p>PREF= Preference of FFP selector between the two ring paths (line groups) for revertive switching. The ring path selected is the protected path and the other ring path is the protection path. Valid values are: LG1 Line Group 1 LG2 Line Group 2 RVRTV= Revertive switching mode for FFP selector. Valid values are: Y Yes, revertive switching mode. The FFP selector reverts to the preferred ring path (selected with the pref parameter) after a manual switch is released or after cause for automatic switch clears. N No, nonrevertive switching mode. The FFP selector will not revert to the ring path selected with the pref parameter. RVTWTR= Wait to restore delay for FFP selector. This parameter determines how many minutes to wait before reverting to the ring path selected with the pref parameter. This parameter is in effect only when revertive switching is selected. Valid values are 0...12.</p> |
|------------|--|

## Response Format:

### Acknowledgment:

If, in less than 2 seconds, a normal or error response cannot be sent, the following acknowledgment response is sent:

IP <ctag>

After the above response, a new command input may be generated.

### Normal Response:

```

    sid yy-mm-dd hh:mm:ss
M  c COMPLD
    /* ED-FFP-STS3C:[tid]:aidstsp[,]:[ctag]::[ffp_nblk][:,] */
;
```

### Error Response:

```

    sid yy-mm-dd hh:mm:ss
M  c DENY
    /* ED-FFP-STS3C:[tid]:aidstsp[,]:[ctag]::[ffp_nblk][:,] */
    errcde
;
```

### Response Parameters

| PARAMETER | EXPLANATION   |
|-----------|---|
| sid       | Source NE identification                                  |
| yy-mm-dd  | Year (2 digits), month, and day                           |
| hh:mm:ss  | Hour (00...23), minute, and second                        |
| M         | Message generated in response to an input command         |
| c         | If provided, ctag, otherwise 0                            |
| COMPLD    | Completed   |
| DENY      | Input command is denied                                   |
| /* */     | Enclosed are human readable comments - unspecified format |
| errcode   | Error code (See Appendix <a href="#">C</a> )              |

## Example:

Edit the FFP parameters for STS3C cross-connection to Drop Group 1 (DG1-STS3C-1) with the following: revertive switching enabled ( *rvrtv* =Y), preference ring path set to line group 2 ( *pref* =LG2), and wait-to-restore parameter set to 1 minute ( *rvtwtr* =1).

**ED-FFP-STS3C:RAL:DG1-STS3C-1:66:::PREF=LG2,RVRTV=Y,RVTWTR=1;**

```

RAL 99-11-24 12:50:30
M 66 COMPLD
/* ED-FFP-STS3C:RAL:DG1-STS3C-1, :66:::PREF=LG2, RVRTV=Y, RVTWTR=1 */
;
```

## Related Commands:

[DLT-CRS-STS3C](#)  
[ED-CRS-STS3C](#)  
[ED-STS3C](#)  
[ENT-CRS-STS3C](#)  
[RTRV-FFP-STS3C](#)

## GENERAL NOTES:

*A Fast-Facility Protection (FFP) entity is implicitly created when a rings cross-connection (2WAYPR, 2WAYBR or 1WAYPR) is created (see [ENT-CRS-STS3C](#) command). Upon creation, FFP switch parameters are defined with default values that define the behavior of the FFP selector. Likewise, the FFP entity is deleted when the associated cross-connection is deleted or changed to a 2WAY cross-connection. The following checks and actions are performed when the FFP is created:*

- *The protected path is defaulted to be received on line group 2 (pref=LG2); its implied counterpart defines the protecting path.*
- *Switching mode is defaulted to nonrevertive (rvrtv=N). In revertive mode, the protected*

*path may also be referred to as the preferred path.*

- *Wait-to-switch delay is defaulted to immediate (wtsdel=IMMED ). When wtsdel=DELAY, switching will be performed only after waiting at least 25 msec after a fault is detected. This parameter is set with the [SET-NE-ALL](#) command for all STS1, STS3C, VPL, and VT1.5 ring cross-connections.*
- *Wait-to-restore delay is defaulted to 5 minutes (rvtwtr=5). The value of the wait-to-restore delay is applicable only to revertive mode.*
- *The cross-connection is initialized such that the protected/preferred path is selected.*