

# VSE/ESA Considerations

This section describes VSE/ESA considerations.

It covers the following topics:

- VSE/ESA POWER Considerations
- VSE/ESA Maintenance Considerations
- VSE/ESA Security Considerations

## VSE/ESA POWER Considerations

Entire System Server as supplied, supports all versions of VSE/ESA/POWER from SP5 onwards. No customization is therefore necessary.

## VSE/ESA Maintenance Considerations

Maintenance to Entire System Server objects and phases will be performed using the MSHP utility. Prior to applying maintenance, the Entire System Server must be defined to MSHP as follows:

```

ARCHIVE NPRvrs
  COMPRISES 9001-ESY-00
  RESOLVES 'ENTIRE SYSTEM SERVER Vvrs'
  ARCHIVE 9001-ESY-00-vrs
  RESIDENCE PRODUCT=NPRvrs          -
           PRODUCTION=library.NPRvrs -
           GENERATION=library.NPRvrs

```

where:

vrs refers to the relevant Entire System Server Version, Release and System maintenance level.

Entire System Server zaps will be supplied using the following format:

```

CORRECT 9001-ESY-00-vrs : XC14nnn REVOKABLE
  AFFECTS PHASE=name
  ALTER  offset verify : replace
  RESOLVES 'reason'

```

## VSE/ESA Security Considerations

### VSE/ESA Security Considerations

Beginning with VSE/ESA 2.4, a SAF security interface is now provided. Either the Basic Security Manager (minimal security, distributed as part of VSE/ESA) or CA-TOP SECRET (a third-party product, additional cost) may be used. Entire System Server has the ability to use SAF for security for users and datasets. However, the routines must be written by the user. Please contact Software AG support for information on writing the exits.