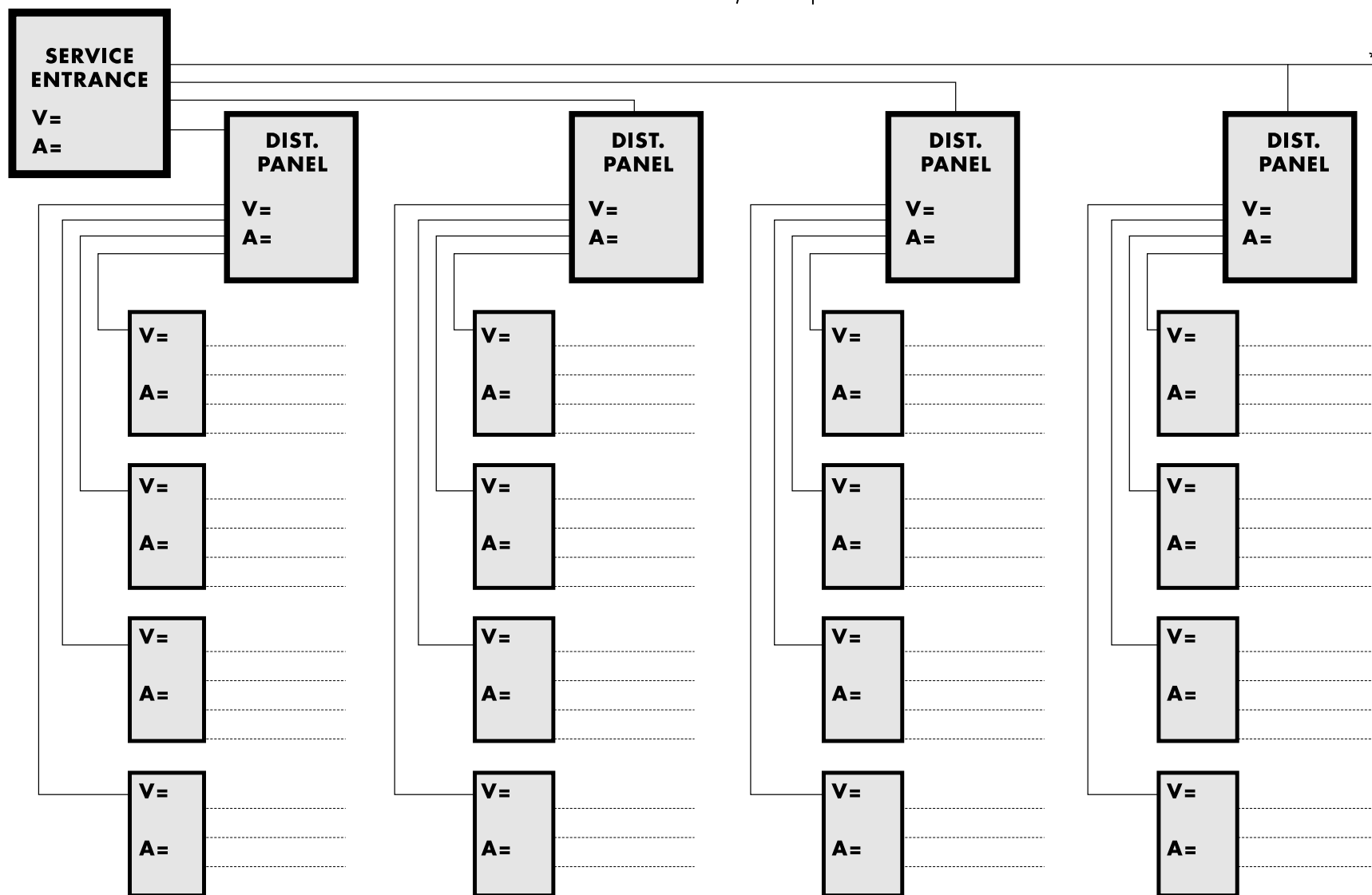


TVSS FACILITY GUIDE



TVSS APPLICATION GUIDE

- 1) Identify critical loads requiring protection
- 2) Identify last point of "common connection" to other loads
- 3) Identify Service Entrance where TVSS can be applied
- 4) Determine networking requirements based on
 - Exposure to transients • Severity of transients • Nature of the load
- 5) Select product to be used



* Attach separate sheet as required

WHICH PRODUCT SHOULD I USE?

YOU ARE IN A HIGH EXPOSURE ENVIRONMENT
(LIGHTNING PRONE OR INDUSTRIAL AREA)

YES

NO

YOUR ELECTRONIC EQUIPMENT IS
VALUABLE AND MISSION CRITICAL

YOUR ELECTRONIC EQUIPMENT IS
VALUABLE AND MISSION CRITICAL

YES

NO

YES

NO

RESIDENTIAL

Service Entrance **C**
Load Protection **A**

RESIDENTIAL

Service Entrance **C**
Load Protection **B**

RESIDENTIAL

Service Entrance **C**
Load Protection **B**

RESIDENTIAL

Service Entrance **C**
Load Protection **C**

COMMERCIAL

Service Entrance **A**
Branch Panel **B**
Load Protection **A**

COMMERCIAL

Service Entrance **A**
Branch Panel **B**
Load Protection **B**

COMMERCIAL

Service Entrance **B**
Branch Panel **C**
Load Protection **B**

COMMERCIAL

Service Entrance **B**
Branch Panel **C**
Load Protection **C**

INDUSTRIAL

Service Entrance **A**
Branch Panel **B**
Load Protection **A**

INDUSTRIAL

Service Entrance **A**
Branch Panel **B**
Load Protection **B**

INDUSTRIAL

Service Entrance **B**
Branch Panel **C**
Load Protection **B**

INDUSTRIAL

Service Entrance **B**
Branch Panel **C**
Load Protection **C**

RECOMMENDED TVSS PRODUCT

SERVICE ENTRANCE

A TSE / iSE
B TBP / iBP
C HOME GUARD/W65

BRANCH PANEL

A iSE
B iBP
C OSW

LOAD PROTECTION

A P1500
B P150
C P50

COST ANALYSIS

SYMPTOMS OF POWER DISTURBANCES

DAMAGED CIRCUIT BOARDS • MEMORY LOSS
SYSTEM LOCK-UP • UNSCHEDULED DOWNTIME

COSTS OF EQUIPMENT DAMAGE

Repair Costs	\$	_____
Replacement Costs	\$	_____
Service Calls	\$	_____
Idle work force	\$	_____
Overtime Costs	\$	_____
Interrupted Production	\$	_____
Spoilage/Scrap	\$	_____
Damaged Tools	\$	_____
Late Deliveries	\$	_____
Dissatisfied Customers	\$	_____
Lost Sales	\$	_____
Lost Information	\$	_____
Re-input Data	\$	_____
Corrupted Files	\$	_____
Lost Sales	\$	_____
TOTAL	\$	_____

COSTS OF EQUIPMENT DISRUPTION

Equipment Errors	\$	_____
Service Calls	\$	_____
Damaged Tools	\$	_____
Idle work force	\$	_____
Overtime Costs	\$	_____
Interrupted Production	\$	_____
Spoilage/Scrap	\$	_____
Late Deliveries	\$	_____
Dissatisfied Customers	\$	_____
Lost Sales	\$	_____
Lost Information	\$	_____
Re-input Data	\$	_____
Corrupted Files	\$	_____
Lost Sales	\$	_____
TOTAL	\$	_____

WHERE EQUIPMENT FAILURE CAN MEAN LIFE & DEATH
(cannot assign monetary value)

Medical Treatment
Emergency Response
Fire Dept.
Police Dept.
Traffic Control (street lights)
Air Traffic Control
Security & Alarm
Prison & Jail Controls