



ESD S20.20

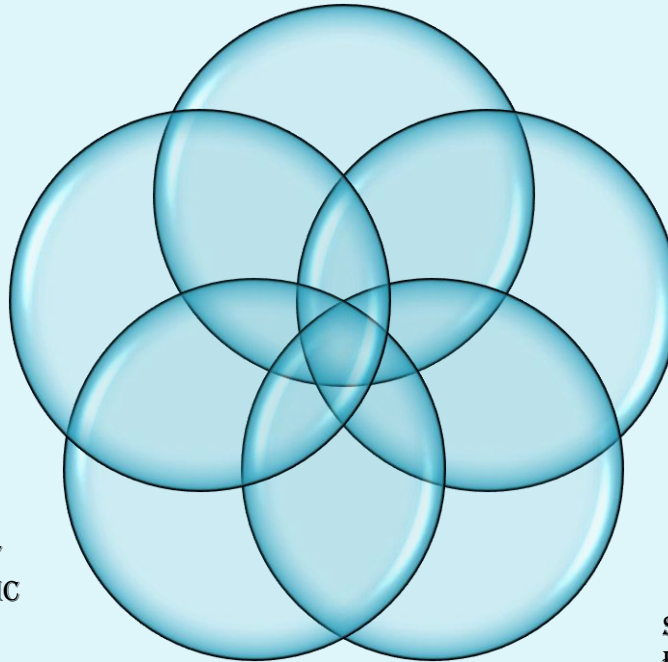
ESD Control Program Standard



INTRODUCTION TO ESD S20.20

- ESD (ELECTROSTATIC DISCHARGE): A SUDDEN FLOW OF ELECTRICITY BETWEEN CHARGED OBJECTS.

- GLOBALLY RECOGNIZED IN ELECTRONICS, AEROSPACE, DEFENSE, AUTOMOTIVE, AND TELECOM SECTORS.

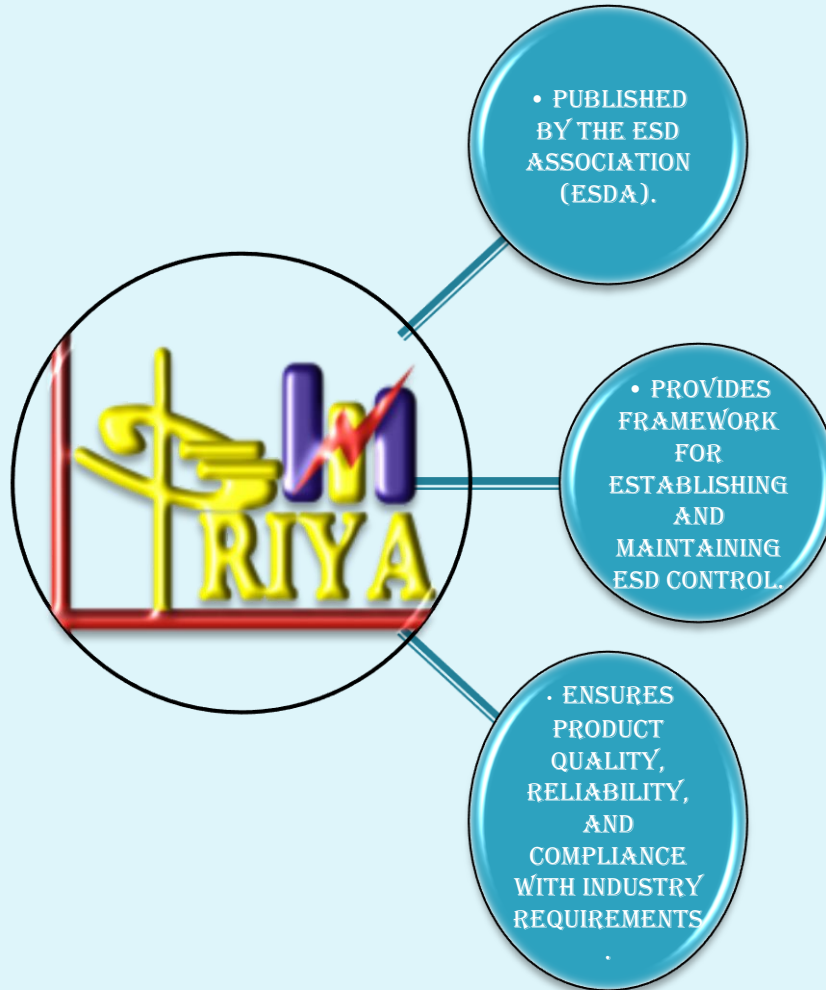


- SMALL DISCHARGES (AS LOW AS 100 VOLTS) CAN DAMAGE SENSITIVE ELECTRONIC COMPONENTS.

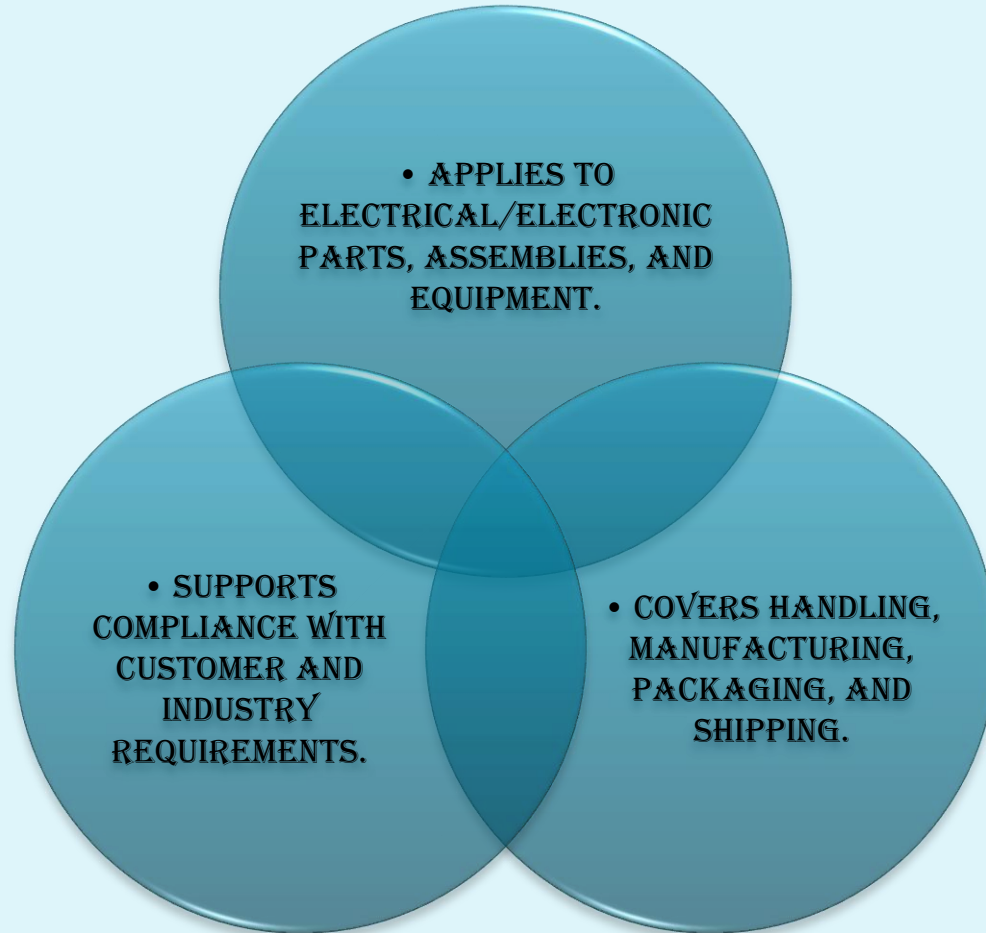
- OBJECTIVE: PROTECT ELECTRICAL/ELECTRONIC PARTS DURING MANUFACTURING, HANDLING, PACKAGING, AND TRANSPORTATION.

- ANSI/ESD S20.20: STANDARD DEVELOPED BY ESD ASSOCIATION FOR ESD CONTROL PROGRAMS.

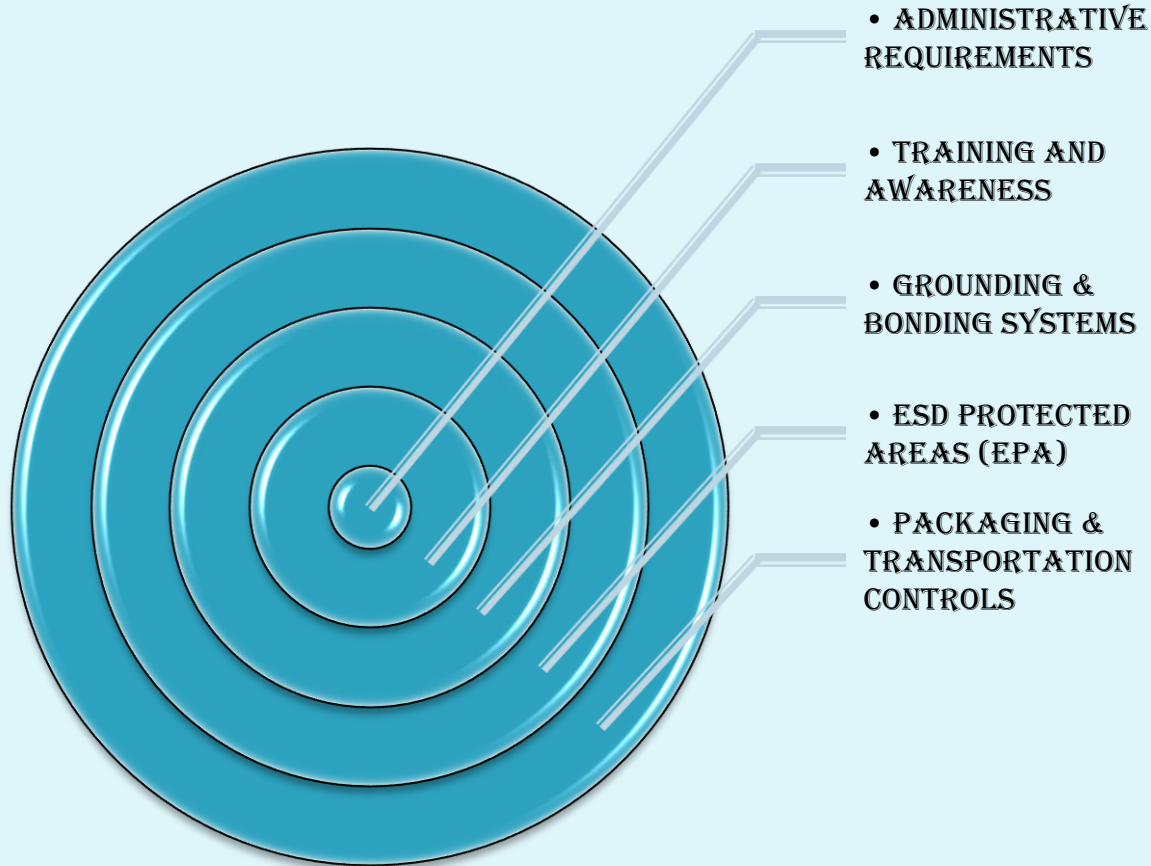
ABOUT THE STANDARD



SCOPE OF ANSI/ESD S20.20



KEY ELEMENTS OF ESD S20.20



CONTROL PROGRAM REQUIREMENTS

- WRITTEN ESD CONTROL PLAN

- RISK ASSESSMENT OF SENSITIVE DEVICES

- USE OF PROTECTIVE EQUIPMENT (WRIST STRAPS, MATS, FOOTWEAR)

- VERIFICATION AND AUDITING OF CONTROLS

ESD CONTROL MEASURES

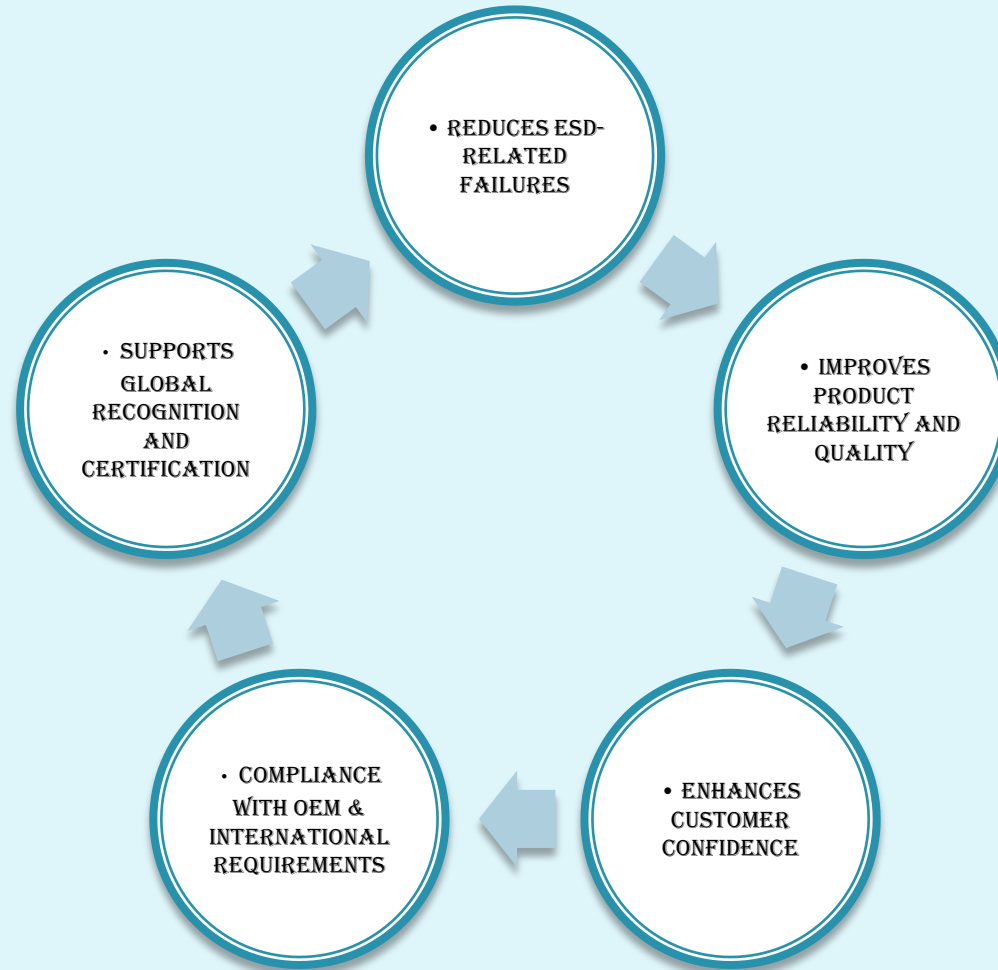
- PERSONNEL
GROUNDING
(WRIST
STRAPS,
FOOTWEAR)

- PROTECTIVE
PACKAGING
(ESD BAGS,
SHIELDING)

- WORKSTATION
GROUNDING
(MATS, COMMON
GROUND POINT)

- IONIZATION
TO NEUTRALIZE
CHARGES

BENEFITS OF IMPLEMENTING S20.20



CERTIFICATION PROCESS

1. Application to certification body

2. Document review

3. On-site audit

4. Corrective actions (if required)

5. Certification decision

6. Surveillance audits

CHALLENGES IN IMPLEMENTATION

•
CONTINUOUS
EMPLOYEE
TRAINING

• ENSURING
CONSISTENT
COMPLIANCE

• COST OF
ESD CONTROL
MATERIALS

• REGULAR
AUDITING &
MONITORING



SUMMARY

- ANSI/ESD S20.20 IS THE GLOBAL BENCHMARK FOR ESD CONTROL.

- PROTECTS SENSITIVE ELECTRONIC DEVICES.

- ENSURES RELIABILITY, QUALITY, AND CUSTOMER SATISFACTION.

THANK YOU PRIYA GROUP TEAM

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