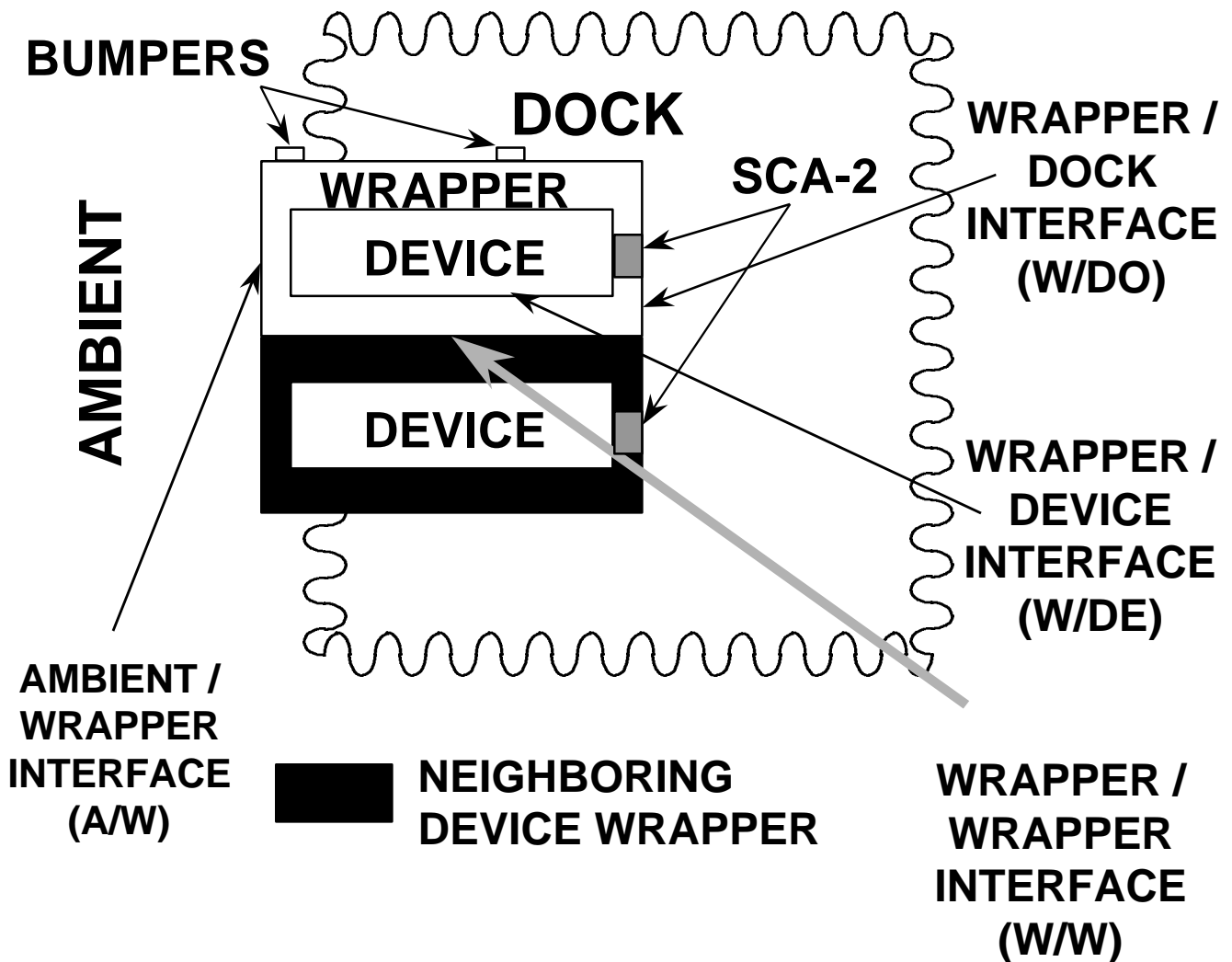


SCSI HARBOR TAXONOMY AND ARCHITECTURE



THIS IS ACTUALLY A 3D PICTURE

NOTE THAT THE DOCK / AMBIENT DEFINITIONS
CHANGE AS THE DEVICE IS REMOVED / INSERTED

QUESTION: SHOULD SCSI HARBOR SPECIFY THE W/DE INTERFACE?

SCSI HARBOR TAXONOMY AND ARCHITECTURE

TYPES OF INTERFACE

- **MECHANICAL**
 - **STATIC (NO LOAD)**
 - **STRESSED (STEADY STATE)**
 - **DYNAMIC**
- **ELECTRICAL**
 - **STATIC**
 - **D.C.**
 - **DYNAMIC**
- **COOLING**
 - **AIR**
 - **CONDUCTIVE**
- **COSMETIC / ERGONOMIC**
- **ACOUSTICAL**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

BASIC SPECIFICATION CHOICES

- **OPTION 1**
 - SPECIFY DOCK / AMBIENT SIDE
 - DESIGN WRAPPER TO ACCOMMODATE DOCK AND DEVICE

- **OPTION 2**
 - SPECIFY WRAPPER SIDE OF W/DE AND W/DO INTERFACE
 - DESIGN DOCK TO ACCOMMODATE WRAPPER
 - DESIGN WRAPPER TO ACCOMMODATE DEVICE

- **EACH INTERFACE SUB TYPE NEEDS TO USE EITHER OPTION 1 OR OPTION 2**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

MECHANICAL INTERFACE

- **STATIC**
 - **AVOIDING INTERFERENCES#**
 - **ORIENTATION**
- **STRESSED**
 - **LOADING**
 - **STIFFNESS**
 - **DEFORMATIONS**
- **DYNAMIC(EFFECTS ON SELF AND NEIGHBORS)**
 - **SLIDING / MATING**
 - **VIBRATION**
 - **SHOCK**
- **OPERATING, NON-OPERATING
UNPACKED, NON-OPERATING PACKED
(FOR SHIPPING) APPLY TO ALL**

**# DENOTES THAT THIS PARAMETER DEPENDS
ON THE PRESENCE OF NEIGHBORING DEVICES**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

ELECTRICAL INTERFACE

- **STATIC**
 - ESD #
 - NOISE #
- **D. C.**
 - POWER
 - GROUND
 - LIGHTS
- **DYNAMIC**
 - HOT PLUGGING TRANSIENTS*
 - SIGNAL INTERFACE*
 - EMI
 - CONTACT SEQUENCING *

*** INDICATES THAT THIS PROPERTY IS LARGELY
COVERED BY THE SCA-2 CONNECTOR SPEC**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

COOLING

- **FORCED AIR**
 - **A/W SOURCE / DISCHARGE#**
 - **CHANNELING#**
 - **E/W SOURCE / DISCHARGE#**
- **CONDUCTIVE**
 - **DIE CAST?**
 - **HEAT SINKS TO SOMEWHERE#**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

COSMETIC / ERGONOMIC

- **PERSONALITY “PLATE”**
- **RETENTION ACTUATION**
- **LIGHTS**

ACOUSTIC

- **NOT A CLUE**

SCSI HARBOR TAXONOMY AND ARCHITECTURE

- **NEXT STEPS**
 - **DETERMINE WHICH INTERFACE COMPONENTS WILL BE ADDRESSED BY SCSI HARBOR**
 - **DETERMINE WHICH OPTION WILL APPLY TO EACH INTERFACE COMPONENT**
 - **DETERMINE HOW TO DEAL WITH THE EXISTING COMPONENTS: SCA-2**
 - **DETERMINE HOW TO GET THE DESIGN VERIFICATION AND TESTING DONE**