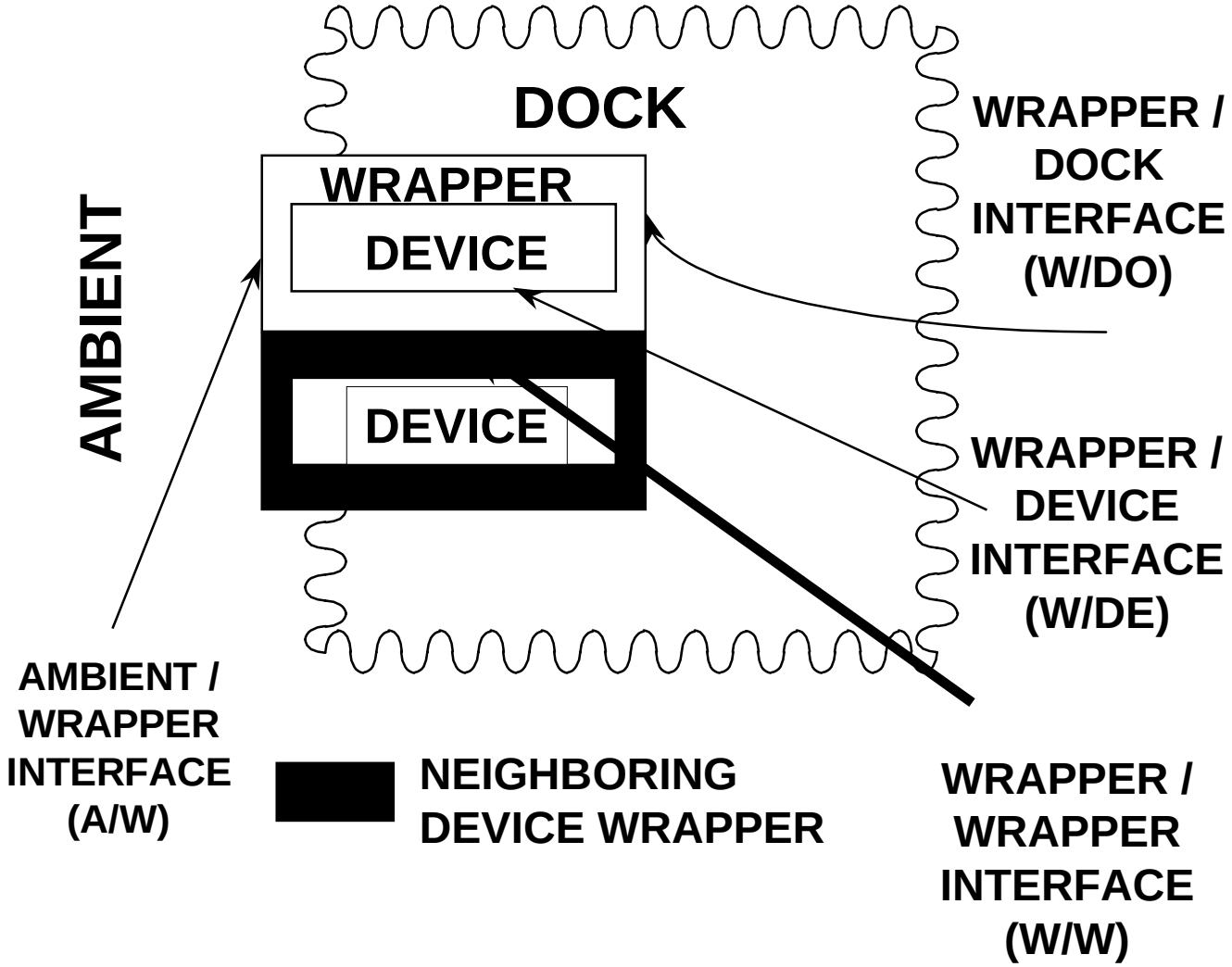
SCSI HARBOR TAXONOMY AND ARCHITECTURE



THIS IS ACTUALLY A 3D PICTURE

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

NOTE THAT THERE IS NO PLACE WHERE THE TERM "ENVELOPE" IS REALLY USEFUL

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

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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

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BASIC SPECIFICATION CHOICES

- **OPTION 1**
  - **SPECIFY ENCLOSURE / AMBIENT SIDE**
  - **DESIGN WRAPPER TO ACCOMMODATE ENCLOSURE AND DEVICE**
- **OPTION 2**
  - **SPECIFY WRAPPER SIDE OF E/W INTERFACE**
  - **DESIGN ENCLOSURE 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#**
- **STRESSED**
  - **LOADING**
  - **STIFFNESS**
  - **DEFORMATIONS**
- **DYNAMIC**
  - **SLIDING / MATING**
  - **VIBRATION**

 # DENOTES THAT THIS PARAMETER DEPENDS ON THE PRESENSE OF NEIGHBORING DEVICES

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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**

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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
- DROP RESISTANT
- HANDLING WHEN NOT IN DOCK

ACOUSTIC

- NOT A CLUE

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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**