

Proposed Organization: (Based on initial outline submitted by Steve- modified to fit in other MOPS topics)

## 1.0 Equipment Performance and Design Requirements

### 1.1.1 Controls

- 1.1.1.1 Layout of Controls
- 1.1.1.2 Operation of Controls
- 1.1.1.3 Keypads
- 1.1.1.4 Annunciation Lights and Switches

### 1.1.2 Display Features (Optical Characteristics)

#### 1.1.2.1 Static

- 1.1.2.1.1 Resolution
- 1.1.2.1.2 Luminance
- 1.1.2.1.3 Chromaticity
- 1.1.2.1.4 Reflectance
- 1.1.2.1.5 Contrast
- 1.1.2.1.6 Uniformity
- 1.1.2.1.7 Viewing envelope
- 1.1.2.1.8 Symbology

#### 1.1.2.2 Dynamic

- 1.1.2.2.1 Refresh Rate & Coasting
- 1.1.2.2.2 Aliasing
- 1.1.2.2.3 Flicker
- 1.1.2.2.4 Decay

### 1.1.3 Format

#### 1.1.3.1 Alphanumerics

- 1.1.3.1.1 Readability
- 1.1.3.1.2 Font
- 1.1.3.1.3 Size
- 1.1.3.1.4 Nomenclature

#### 1.1.3.2 Symbology

- 1.1.3.2.1 Scale resolution
- 1.1.3.2.2 Shape coding
- 1.1.3.2.3 Stroke width
- 1.1.3.2.4 Refresh rate (how different from all other info. refresh?)
- 1.1.3.2.5 Scale type (Moving scale/moving index)
- 1.1.3.2.6 Size

### 1.1.4 General

- 1.1.4.1 Orientation
- 1.1.4.2 Clutter
- 1.1.4.3 Complexity/Information density
- 1.1.4.4 Color coding
- 1.1.4.5 Relative luminance of displayed elements
- 1.1.4.6 Prioritization of displayed elements
- 1.1.4.7 Shared Display Considerations

### 1.1.5 Arrangement/Location

- 1.1.5.1 Parallax
- 1.1.5.2 Prioritization
- 1.1.5.3 Sequence of use
- 1.1.5.4 Functional grouping
- 1.1.5.5 Visual angle of fonts/symbols

### 1.1.6 Labels

### 1.1.7 System Status, Mode Awareness & System Failure

- 1.1.7.1 Alerting
- 1.1.7.2 Messages

- 1.1.7.2.1 Message Display & Formatting
- 1.1.7.2.2 Message Composition & Response

1.1.7.2.3 Message Prioritization

**1.1.7.3 Self Test**

1.1.8 Error Detection, Prevention, and Recovery

1.1.9 Design consideration for systems to be used with other flight deck equipment

1.1.9.1 HUD Considerations

1.1.9.1.1 Transmissivity

1.1.9.1.2 Distortion

1.1.9.1.3 Conformality

1.1.9.1.4 Binocular/monocular Field of View

1.1.9.1.5 Eyebox

1.1.9.2 Night Vision Goggle Considerations

1.1.9.3 Printers

1.2 Equipment Installation and Operations Requirements

1.2.1 Accessibility

1.2.2 Aircraft Environment

1.2.3 Display Visibility

1.2.4 Inadvertent Turn Off

1.2.5 Failure Protection

1.2.6 Interference Effects

1.2.7 Aircraft Power Source

1.2.8 Associated Equipment or Systems

1.2.9 Adjustment of Equipment

1.2.10 Warm-up Period

1.2.11 Displayed Data Readability