DISCUSSION ON OVERLAYS.

SKETCH. PROPOSAL FOR CHANGES.
4.5.13 CMS overlay

any driving-related visual information added to the original image (such as icons, labels, colored areas, etc.) that modifies it in a way that part of the original information is hidden. Overlays can be partially transparent or totally opaque. Overlays can be displayed temporary or permanently.

6.5.2 Overlays

Overlays, according to subclause 4.5.13, are generally allowed. Within the required field of vision only temporary transparent overlays are allowed.

7.2.5 Overlays

Verify by visual inspection that overlays which are displayed within the required field of view as defined in subclause 6.4 are temporal and transparent (not opaque).
EXAMPLE FOR NECESSARY OVERLAYS.

Overlays from sensor fusion (i.e. PDC)  Overlays of trajectories of the car

Source: BMW Training Academy
ABSTRACT PART 1: RELATIVE SIZE

Source: ISO/FDIS 16505:2013(E)
ABSTRACT PART 1: RELATIVE SIZE

1. Green Overlay is of a transperancy of 70% and 10% of the active area of the monitor.

Source: ISO/FDIS 16505:2013(E)
1. Green Overlay is of a transparency of 70% and 10% of the active area of the monitor.

2. Yellow Overlay is of a transparency of 70% and 10% of the monitor defined size.
ABSTRACT PART 1: RELATIVE SIZE

1. **Green Overlay** is of a transperancy of 70% and 10% of the active area of the monitor.

2. **Yellow Overlay** is of a transperancy of 70% and 10% of the monitor defined size.

3. **Red Overlay** is of a transperancy of 70% and 10% of the minimum required field of view.

Source: **ISO/FDIS 16505:2013(E)**
1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

2. **Yellow Overlay** is of a transparency of 70% and 10% of the defined size of the monitor.

3. **Red Overlays** is of a transparency of 70% and together 10% of the minimum required field of view.

Source: ISO/FDIS 16505:2013(E)
ABSTRACT PART 1: RELATIVE SIZE COMPARISON.

1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

2. **Yellow Overlay** is of a transparency of 70% and 10% of the monitor defined size.

3. **Red Overlay** is of a transparency of 70% and 10% of the minimum required field of view.

Source: ISO/FDIS 16505:2013(E)
QUESTION 1. HOW MUCH IN WHICH AREA?

Source: ISO/FDIS 16505:2013(E)

All three types **allowed** at the same time?
QUESTION 2. OVERALL SIZE?

Two types **allowed** with **in total** 10% of monitor defined size at the same time?

Source: ISO/FDIS 16505:2013(E)
EXAMPLES FOR OVERLAYS. ACTIVE AREA.

Are those 10% transparent overlay in the monitor active area allowed?

Source: ISO/FDIS 16505:2013(E)
EXAMPLES FOR OVERLAYS. WITHIN THE DEFINED SIZE.

Are those 10% transparent overlay in the monitor defined size allowed?

Source: ISO/FDIS 16505:2013(E)
EXAMPLES FOR OVERLAYS. WITHIN THE MINIMUM.

Are those 25% transparent overlay in the minimum required field of view allowed?

Source: ISO/FDIS 16505:2013(E)
EXAMPLES FOR OVERLAYS. WITHIN THE MINIMUM.

Are those 2.8% opaque overlay in the minimum required field of view allowed?

Source: ISO/FDIS 16505:2013(E)
EXAMPLES FOR OVERLAYS. ACTIVE AREA.

Are those 1,5% opaque overlay in the monitor active area allowed?

Source: ISO/FDIS 16505:2013(E)
THANK YOU FOR YOUR ATTENTION.