



EI-50, 03/25/2014

DISCUSSION ON OVERLAYS.

SKETCH. PROPOSAL FOR CHANGES.

**BMW
GROUP**



Rolls-Royce
Motor Cars Limited

SUBCLAUSES DEALING WITH OVERLAYS IN THE ISO 16505.

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

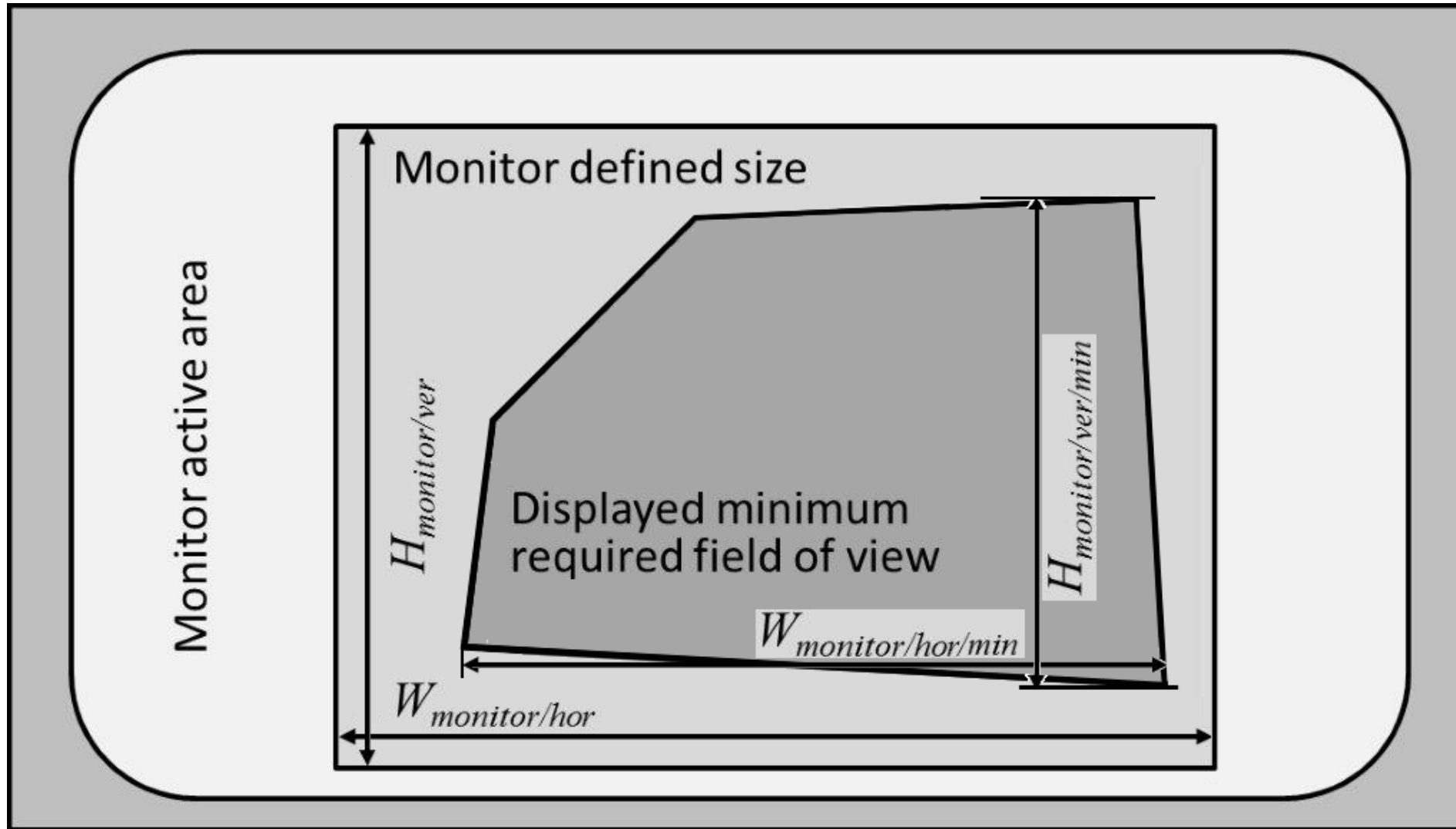
Verify by visual inspection that overlays which are displayed within the required field of view as defined in subclause 6.4 are temporal and transparent (not opaque).

EXAMPLE FOR NECESSARY OVERLAYS.



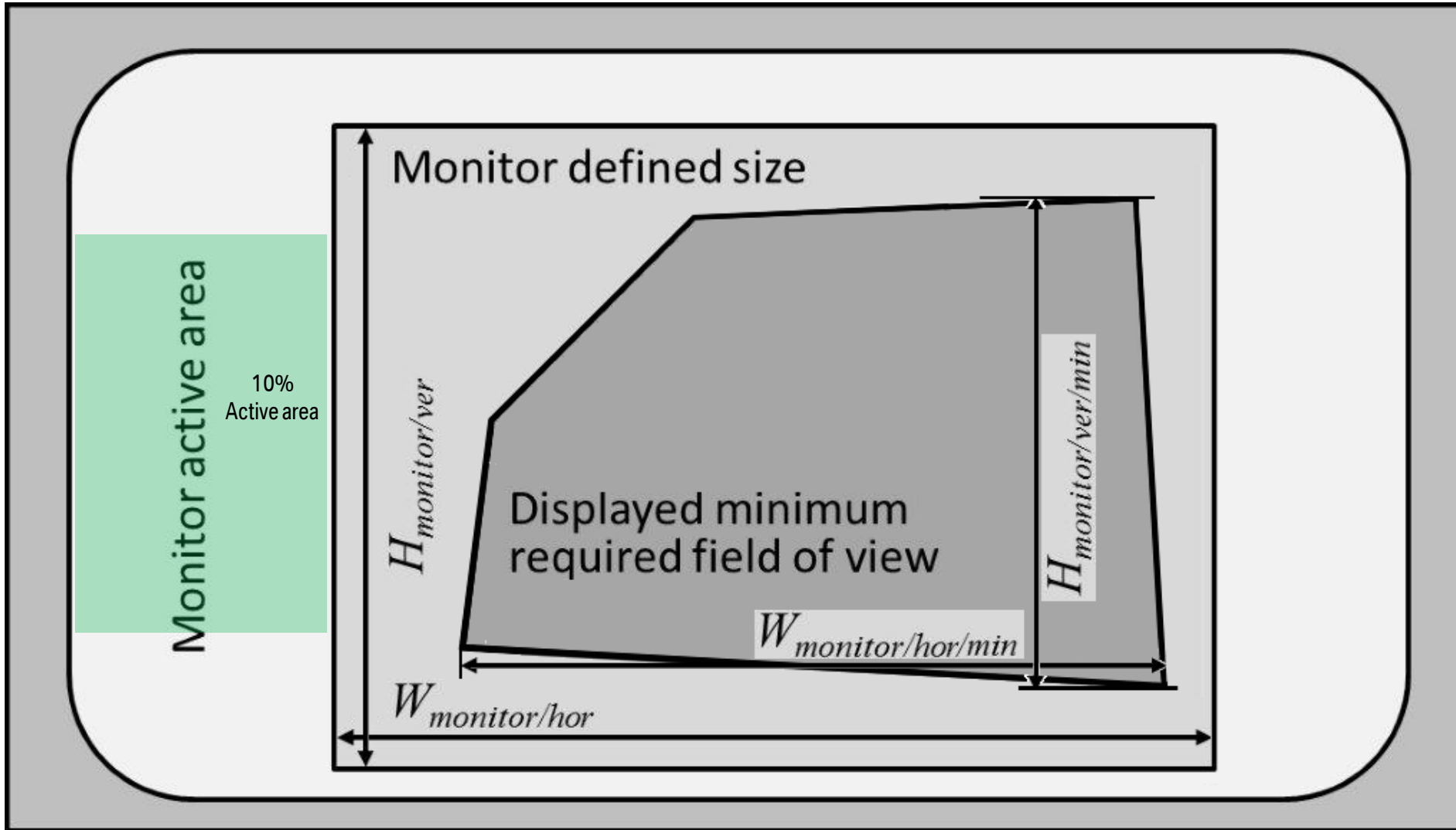
Source: BMW Training Academy

ABSTRACT PART 1: RELATIVE SIZE



Source: **ISO/FDIS 16505:2013(E)**

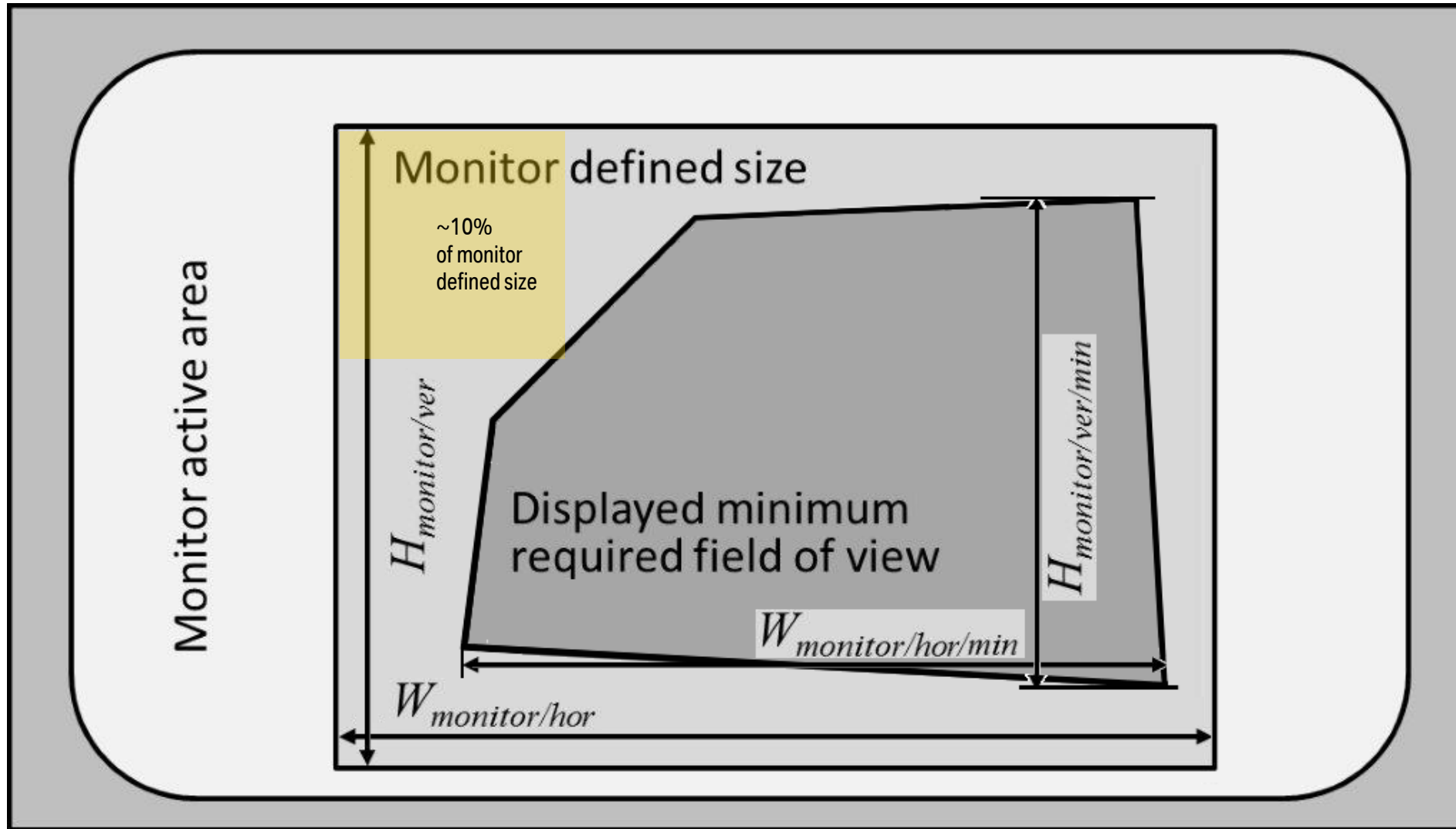
ABSTRACT PART 1: RELATIVE SIZE



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

Source: **ISO/FDIS 16505:2013(E)**

ABSTRACT PART 1: RELATIVE SIZE

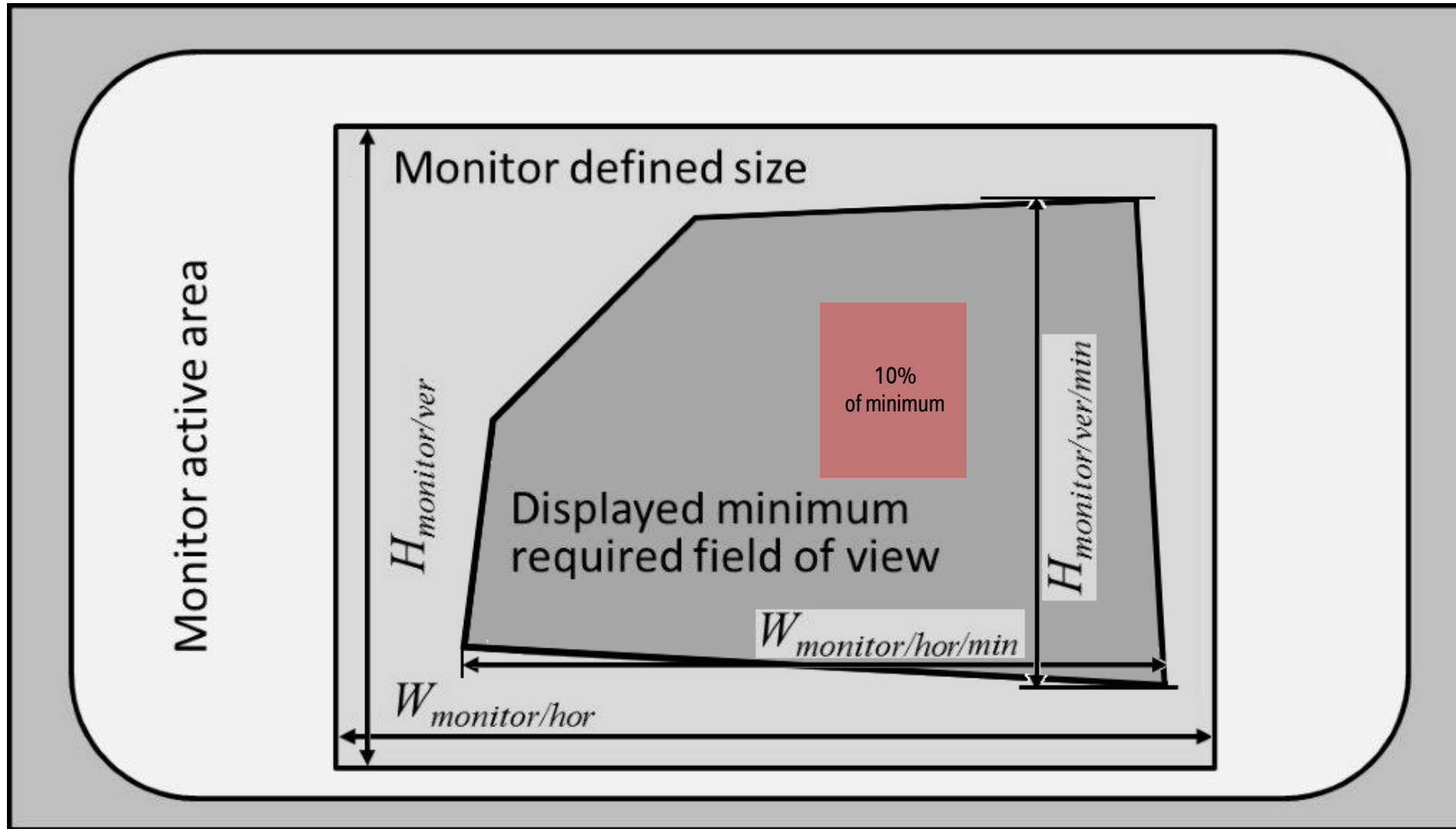


1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

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

Source: **ISO/FDIS 16505:2013(E)**

ABSTRACT PART 1: RELATIVE SIZE



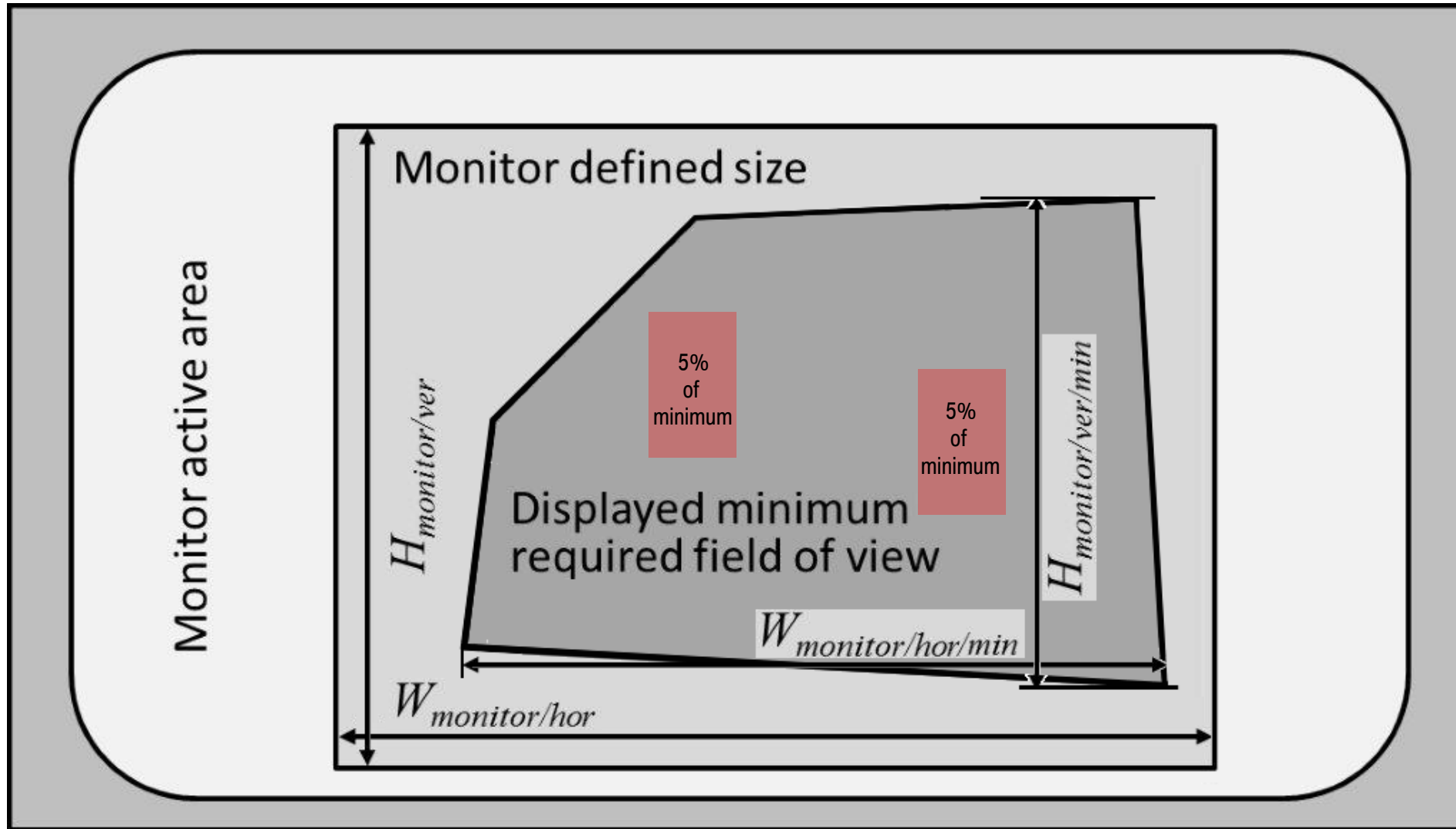
1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

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)**

ABSTRACT PART 1: RELATIVE SIZE DEVIDED.



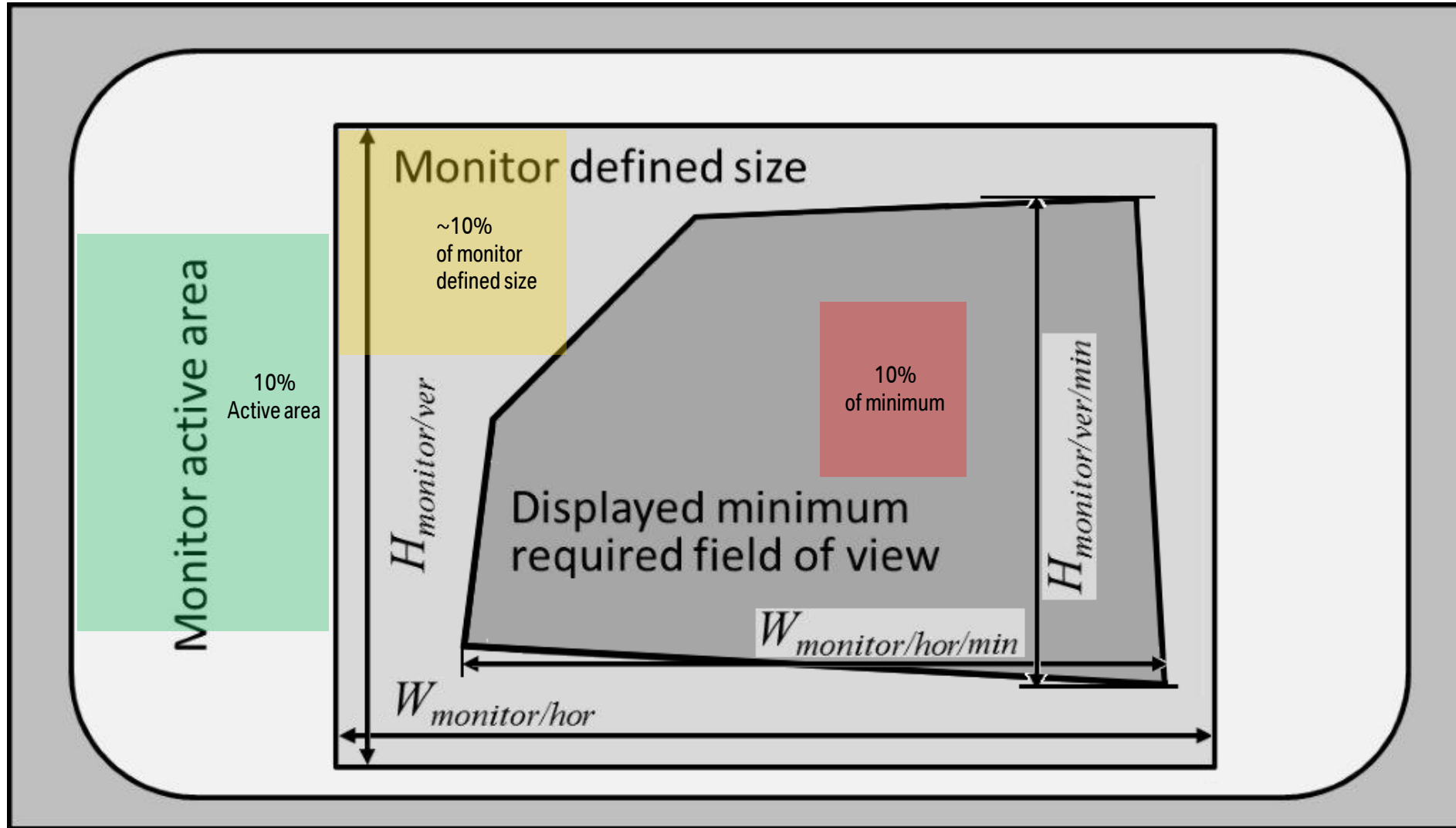
1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

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

3. **Red 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.



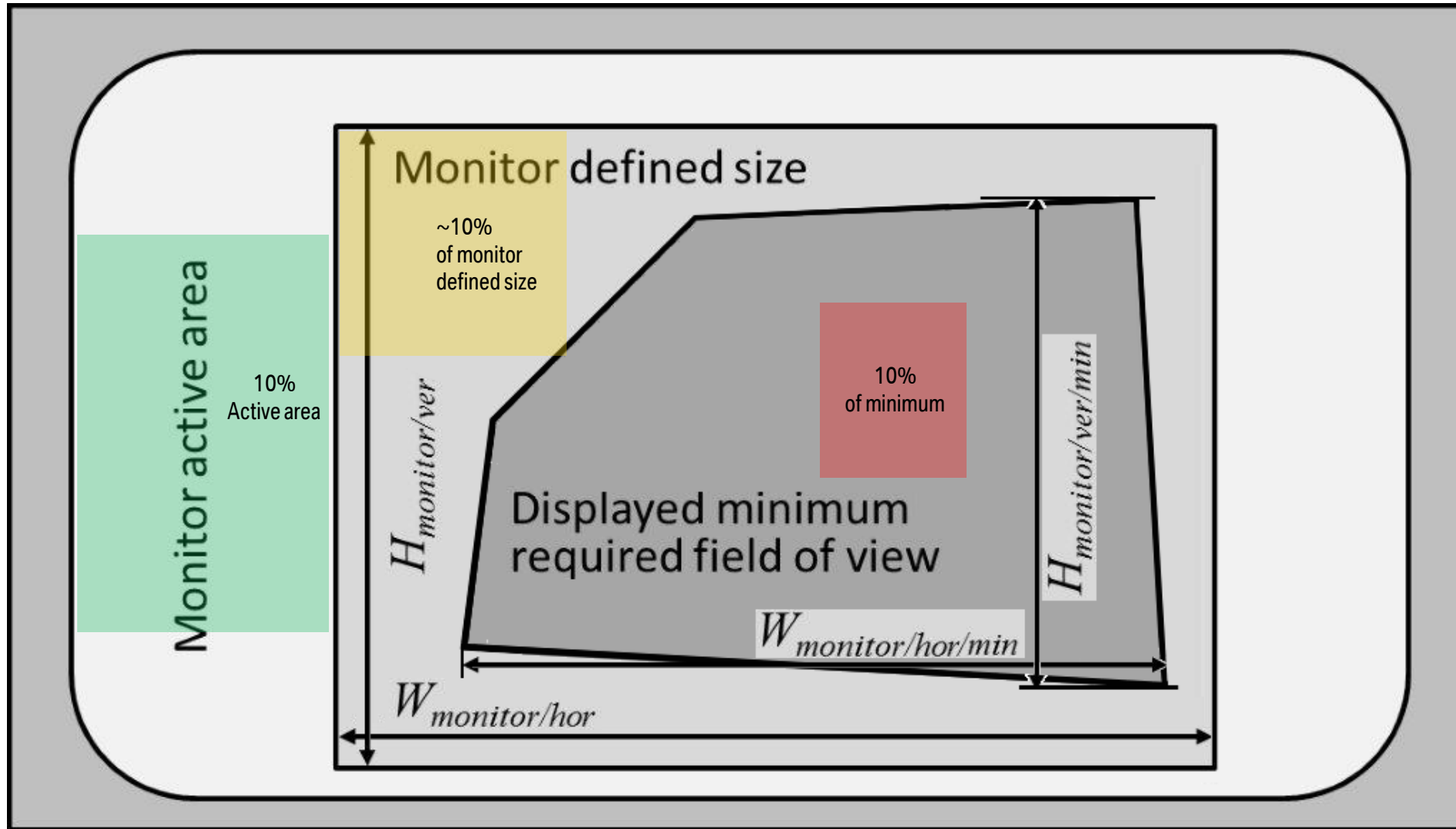
1. **Green Overlay** is of a transparency of 70% and 10% of the active area of the monitor.

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)**

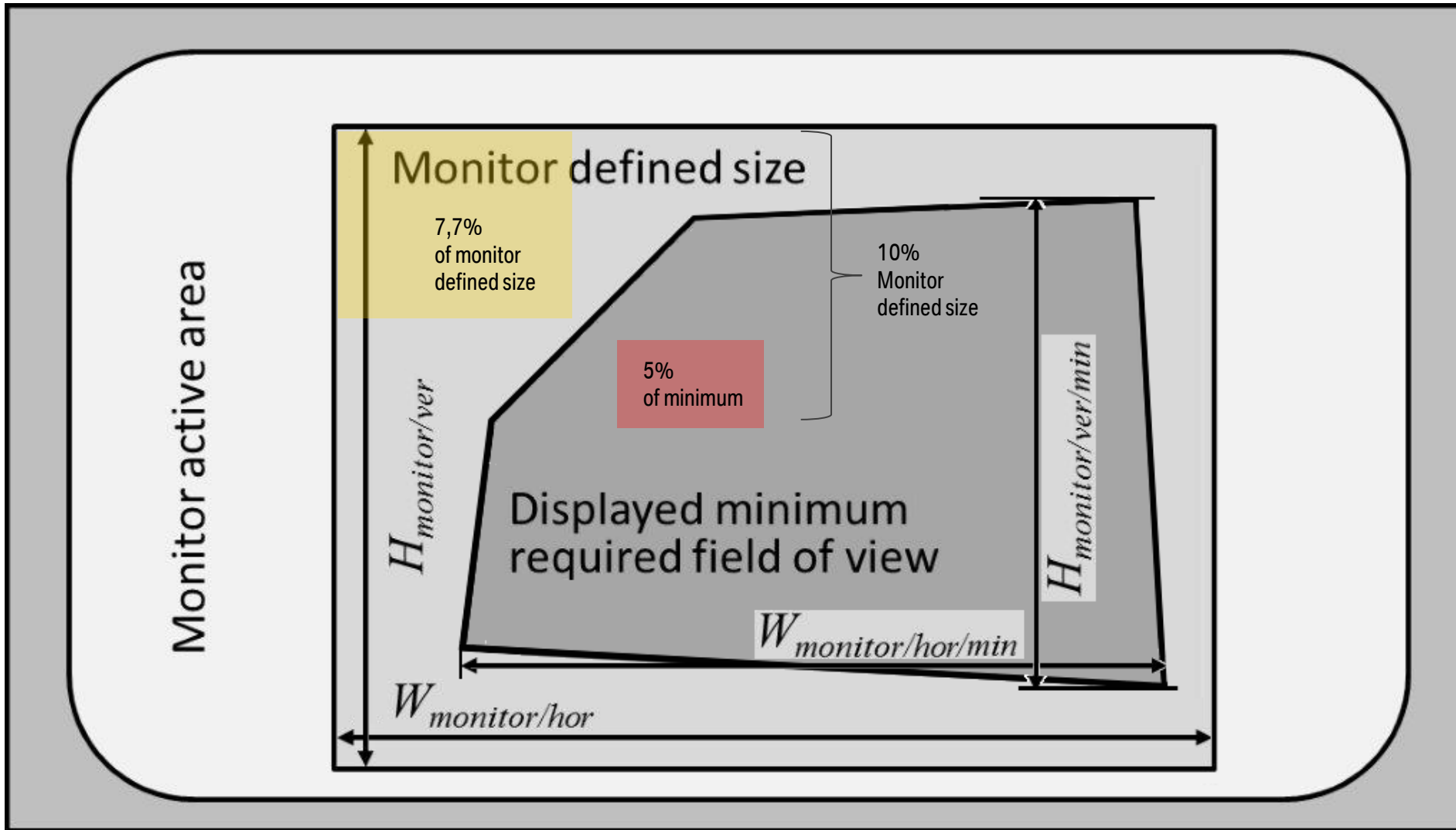
QUESTION 1. HOW MUCH IN WHICH AREA?



All three types **allowed** at the same time ?

Source: ISO/FDIS 16505:2013(E)

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)**

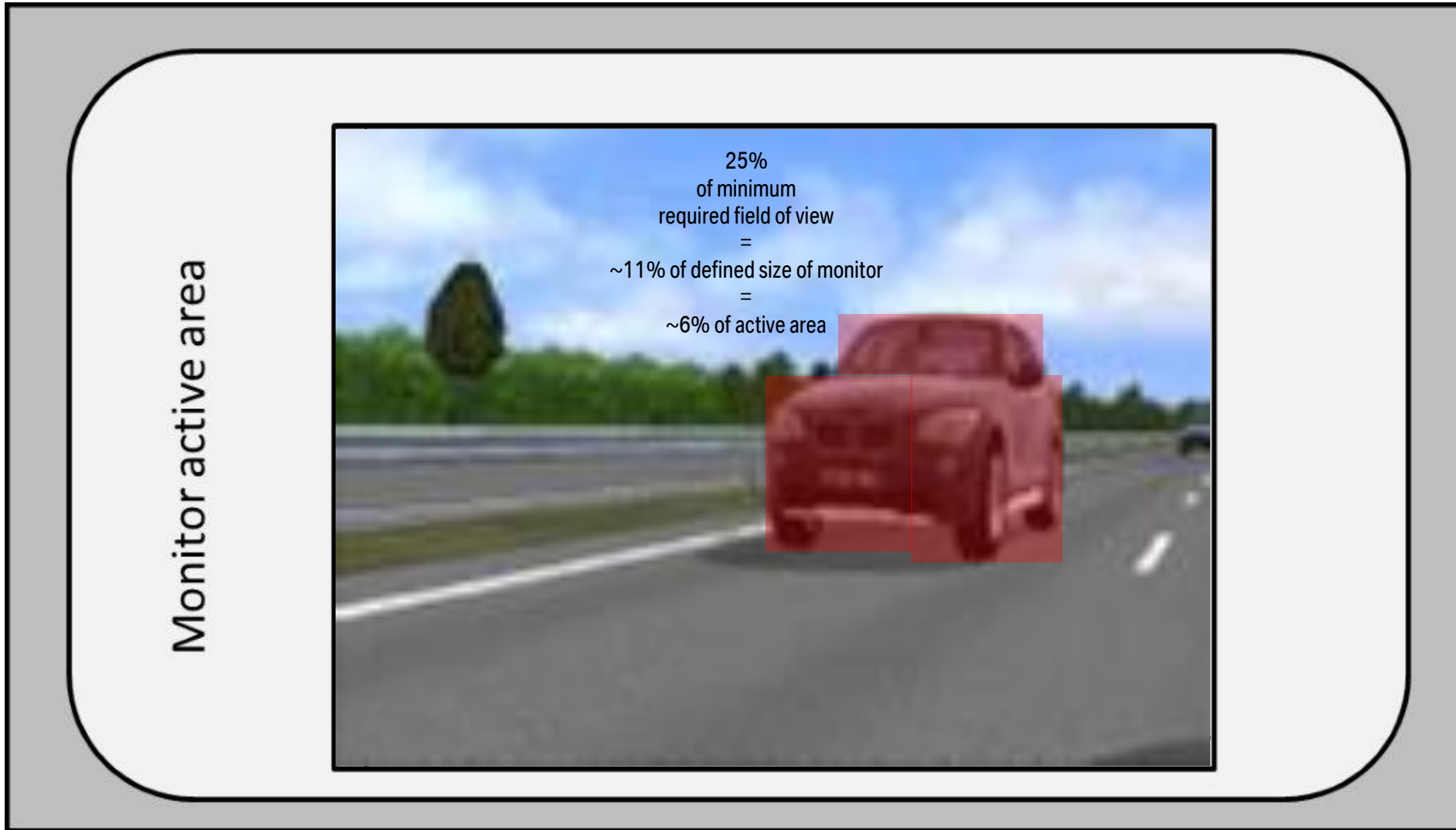
EXAMPLES FOR OVERLAYS. WITHIN THE DEFINED SIZE.



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.