Status ISO/TC22/SC17/WG2 bzw. ISO 16505

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- Scope
- Contend and Task Forces
- Status, Roadmap

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Scope
ISO 16505

This International Standard gives minimum safety, ergonomic and performance requirements for Camera-Monitor-Systems as used in road vehicles Classes I to IV and VII as defined in ECE R46. It addresses Camera-Monitor Systems (CMS) that will be used in road vehicles to present the required outside information of a specific field of view in vehicle. These specifications are intended to be independent of different camera and display technologies unless otherwise stated explicitly. ADAS Systems (such as parking aid) are not part of this standard.

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Content and Taskforces

Task Force	Item	Scope
TF1	Viewing conditions	• Viewing distance (especially FoV II, III) • Field of view (what has to be defined in addition to ECE R46 regarding camera-monitor-systems) • Critical objects
TF2	Image quality and real time behavior	• Properties describing the quality (e.g. smear, blooming) and real time availability (le.g. latency) of the displayed picture within viewing conditions defined in ISO 16505-2 which are dependent from technology, but independent from user
TF3	HMI and ergonomics	• Properties with regard to human **perception** of a displayed picture which are dependent from technology, vehice and user (e.g. resolution, noise, color fastness) and properties regarding the user interaction with the system for indirect vision
TF4	Functional safety	• Standard guidelines and specifications regarding the application of the concept phase of ISO 26262 to mirror surrogate devices

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Status, Roadmap

- ## **Lead time 3 years**

- ## Milestones

    - Definition scope and structur ISO 16505   done

    - Definition content and Taskforces   done

    - Final 1. Working Draft   May 2011

    - Final Committee Draft   October 2011

    - Final Draft International Standard   April 2012

    - Final International Standard   November 2013

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