

Attachment 0009

Key Subsystems

04 November 2011

The following categories were used to group subsystems based on the impact of a failure to the EMD program schedule. The identified Key subsystems include the items listed in this attachment.

JLTV Key Subsystem Level Definitions

Level 1 Subsystems

Key Subsystem with a failure resulting in an Operational Mission Failure (OMF) where corrective action takes at least 6 months and results in a large program delay is considered a Level 1 Key subsystem.

Level 2 Subsystems

Key Subsystem with a failure that may or may not result in an OMF where corrective action take 2-6 months and may result program delay, but is able to be implemented during a scheduled Corrective Action Period (CAP), is considered a Level 2 Key subsystem.

Level 3 Subsystems

Key Subsystem with a failure that may or may not result in an OMF where corrective action may take 1-2 months and may result program delay, but is able to be implemented either during a scheduled Corrective Action Period (CAP), or, at the latest, prior to MS C. All level 3 subsystems shall have adequate supplies of replacement components for testing support delivered to the government test site for testing performed prior to the redesign fix being installed.

JLTV Key Subsystems list

Each key subsystem list is a set of components, firmware, and software.

Note: These components can be modified COTs.

Level 1 Subsystems

Drive Train: (WBS sub elements for Power Package/Drive Train)

The minimum set of components of this subsystem includes;

- Power Generation
- Engine – Modified COTs
- Differential – Modified COTs

Suspension: (WBS sub elements for Suspension)

The interface area (as mutually agreed upon by the Contractor and Government at SOWM) of the vehicle structure (Front/Rear Clip) to the suspension subsystem (ie elements of Frame or Monocoque or Clip Cab) is part of the suspension key subsystem. The minimum components of the subsystem include;

- Ball joints
- Stabilizer bar/mechanism
- Adjustable height (include sensors/controller)
- Control Arms

Level 2 Subsystems

Steering: (WBS sub elements for Suspension)

The minimum set of components of this subsystem includes;

- Power Steering Pump
- Boots
- Tie rods
- Steering rack (if appropriate)

Transparent armor/hull: (WBS sub elements for Hull/Frame)

Braking: (WBS sub elements for Suspension)

The minimum set of components of this subsystem includes;

- ABS
- ESC (include tuning/calibration
- Park Brake

Electrical: (WBS sub elements for Vetronics and the Electrical Architecture)

The minimum set of components of this subsystem includes;

- Master vehicle power switch
- Vetronics modules
- Interdependencies between C4I & vehicle electronics
- Power distribution

HVAC: (WBS sub elements for Auxiliary Automotive and Body/Cab)

The minimum set of components of this subsystem includes;

- Exhausters
- Compressors

Level 3 Subsystems

Doors: (WBS sub elements for Body/Cab and Aux Auto)

The minimum set of components of this subsystem includes;

- Hinges
- Combat locks
- Door assist
- Striker

Tires: (WBS sub elements for Suspension)

Air compressor/pneumatics: (WBS sub elements for Auxiliary Automotive and Body/Cab)

Hood: (WBS sub elements for Body/Cab and Aux Auto)

The minimum set of components of this subsystem includes;

- Hood stops
- Latch