



DEVELOPMENT SPRINT REVIEW

CALENDAR WEEK 8.21

OVERALL PROJECT SVC3

Key Milestones overview:

Shakedown finish SVC2.1 'Salt' car: 12.04.21

Shakedown finish SVC2.2 'Pepper' car: 28.04.21 (+2 days for audit)

HIGHLIGHTS: Hand over agreement with Roding + QUAL

Final inspection documents draft available, loop with module leads next sprint (VTS, mechanical functions, appearance).

LOWLIGHTS: None

BLOCKER: None

RESTART

HIGHLIGHTS: CAD-Reviews for Basic Data starting next week.

LOWLIGHTS: None

BLOCKER: None

HIGHLIGHTS: SOP: Implementation ERP-System - overall progress on track.
Implementation partner selection ready for closure.

LOWLIGHTS: None

BLOCKER: None

HIGHLIGHTS:

Development of a channel for CIP-Inputs for the SVC2 vehicles and the following stages. Optimization of the procedure for the product audit for the SVC2.2 (and SVC2.1); Hand-over protocol for SVC2 - draft and process preliminary agreed with Roding.

LOWLIGHTS: None

BLOCKER: None

HIGHLIGHTS:

Restart:

Update restart timing - Done.

Job Add ME Assembly online - Done.

Group Sion Budget Manufacturing - Done.

LOWLIGHTS: None

BLOCKER: None

BODY CLOSURE (1/2)

HIGHLIGHTS: SVC2: RA kicked off on 1st work package: design/manufacture türstopperrn. Hood release handle will be implemented in SVC2.

SVC3: Charger Lid location: remains at the front due to package constraints in other areas. Pre-Development support is on track: FE extension/restyling work starts next week. Sealing concept PO is sent out.

BODY CLOSURE (2/2)

LOWLIGHTS: SVC2: Remaining SVC2 work packages > not kicked off yet (tailgate gas strut design, charger lid optimisation).

Optimisation charger lid: current mechanism will prove difficult to get good pedestrian protection/user functionality > means new opening concept.

BLOCKER: Resource: blocker for numerous topics: styling, technical development, ESP/supplier management, creation of detailed RFQ/SSTS & DFMEA workshop.

SVC2/3 work split: difficult to work on both projects at the same time, especially considering implementation of series designs onto SVC2 datacut.

HIGHLIGHTS:

SVC2: Door opening/closing no problems reported with door catching seal/exterior panels.
SVC3: Pre-Development support is on track: FE extension/restyling work starts next week, lighting concept development work starts at the end of this week.

Lowlights: SVC3: Styling topics not completed before end of existing support > means work package 2, directly before or overlapping the restart.
Onboarding/handover to new team members: time consuming, but super important.

BLOCKER: Resource: blocker for numerous topics: styling, technical development, ESP/supplier management, creation of detailed RFQ/SSTS & DFMEA workshop.

INTERIOR (1/2)

HIGHLIGHTS: SVC2: Next Vehicle Inspection of Interior related issues at Roding will take place on 01.03.2021 - Done, Improvement achieved versus November status, Many issues are closed. Only SVC2.1 was inspected as other was not ready. Roding will check SVC2.2 themselves and report back. Remaining issues on seats and seatbelts will be followed up to closure as long as other vehicle plans (testing, shooting etc.) permit. One of the issues closed is the child seat placement- a bit difficult to install in terms of force required but acceptable to close the issue at this stage.

SVC3: Engineering Scope of Work for RFQs - done. Pending remaining RFQs to be sent to suppliers- ongoing.

PM Epic: APQP/MLV Part Risk Assessment - Loop1 - Done.

Crash&Safety: Sion's Type Class Estimation for Vehicle Insurance.

LOWLIGHTS: None

BLOCKER:

SVC3: First indication of Restraints Supplier (Airbags, Steering Wheel, Seatbelts) that they do not have a capacity to support till August 2021, still waiting for feedback.

INFOTAINMENT

HIGHLIGHTS: SVC3: STS for Infotainment HU is 75% completed.

Decision on the Infotainment display is to go with two separate displays.

BOM price for two separate displays is expected this week.

eCall system I talks with suppliers.

LOWLIGHTS: SVC2: vehicle still not mature enough to do reliable Infotainment testing (to test OBC and HV activation topics).

SVC3: Instrument Cluster STS is in progress.

BLOCKER: SVC2: Infotainment testing not possible due to unstable systems in the car (OBC and high voltage).

THERMAL

HIGHLIGHTS: SVC2: SVC2.2 at Continental Thermo Team in Nürnberg right now. We are doing tests with the compressor, heater, pumps, valves and sensors. Fine tuning of thermal software based on the tests will be done.

Compressor damper elements to solve the NVH issue at SVC2 are ordered.

LOWLIGHTS: None

BLOCKER: None

CHASSIS

HIGHLIGHTS:

SVC2: Dampers replaced by proper development models

SVC3: ESC + TRE scope and deliverables defined.

Brake system analysis / review kicked-off.

New Team members starting next week.

LOWLIGHTS: SVC3: Risk assessment + MTS taking long to be finished (though it's worthwhile).

BLOCKER: None

HIGHLIGHTS:

SVC3: Exterior Styling CAS ready tomorrow for RLE Restart.

Lightning design kick-off this week.

Interior CAS progressing. interior basic data almost finished. Planned to be finished at the end of March.

Open next mentorship: developing 2 projects with the community.

Developing an interface concept for the interior for added (printed) parts.

LOWLIGHTS: None

BLOCKER: None