DEVELOPMENT SPRINT REVIEW
CALENDAR WEEK 4.21

OVERALL PROJECT SVC2

HIGHLIGHTS: Preparations for EDU shakedown on test track CW6 done.
New solar parts fitted. Content production for Marketing upcoming.

LOWLIGHTS: BiDi good progress, but then a defect happened while testing. New sample needed and testing delay.

BLOCKER: Ressources shift between SVC2 and series development. SVC2 -> SVC3 issue log transfer pending.

OVERALL PROJECT SVC3

HIGHLIGHTS: Tooling Budget distribution ready. ReStart Workshop done. ESP (Engineering Service Provider) support Kick-off done. SVC2 CAD-Reviews done. 12V Battery decision, Frontend Extension concept. PDM-System Decision.

LOWLIGHTS: None

BLOCKER: Data Quality Issues in Catia and 3DX (SVC2 and SVC3)

SUPPLY CHAIN MANAGEMENT

HIGHLIGHTS: Logistics Manager position. ERP-System - On track

LOWLIGHTS: Finalizing consignment implementation plan - Delays but on track.
Finalizing dangerous goods handling - delayed but on tracked.

BLOCKER: None

PURCHASING

HIGHLIGHTS: SVC3: Re-starting discussion with all suppliers not just ESP's - 60% complete - good feedback so far. RFQ process updates in final steps. Hiring for commodity managers on track. New NL progress was more efficient with more resources.

LOWLIGHTS: None

BLOCKER: None

QUALITY

HIGHLIGHTS: SVC2: Development of a channel for CIP-Inputs for the SVC2 vehicles. Optimization of the procedure for the product audit for the SVC2.2

LOWLIGHTS: None

BLOCKER: None

PRODUCTION

HIGHLIGHTS: RFQ for manufacturing engineering is at purchasing. Meeting with ESP done: highlights the timeline for BIW + marriage of battery. Interested to support our engineering until the gap of open positions is closed. Also offer us their testing area.

LOWLIGHTS: None

BLOCKER: None

BODY CLOSURE / EXTERIOR (1/3)

HIGHLIGHTS: SVC2: Concept FRT DR window regulator below glass support (mitigation only). New solar roof installed on SVC2.1, will test as soon as there is some sun (necessary as long as we don't have a solar simulator).
SVC3: ESP agreed to pre-restart development.
Technical issue resolution: front fender vs wheel envelopes: solution from (styling/chassis/exterior in sight).
Technical issue resolution: BIW <> door hinge type/position: solution in sight.
DFMEA sessions KO with TQ for Closures & Exterior.
Lighting supplier: provided quote.
KO with styling supplier: benefit for closures/exterior team.
PV body panels: testing and timing discussed in detail this week > how system integration is planned. PV responsibility split agreed.

BODY CLOSURE / EXTERIOR (2/3)

LOWLIGHTS: SVC2: Two problems with interior handles in SVC2.1: still existing until new Bowden cable/interior part is manufactured.
Interior door handle cables: pending confirmation from supplier (part of door lock/unlock issue).

SVC3: Capacity constraints to implement SVC2.1 solutions on SVC2.2.
Quote timing: Sealing concept quote timing.

BODY CLOSURE / EXTERIOR (3/3)

BLOCKER: SVC2: Direct conflict: SVC2 detail issue resolution vs good supplier restart progress. Supplier resource for cables is limited.

SVC3: Resource (progressing all clox issues - highest prio only (restart, FE extension, supplier).
Future blocker: reached the point ~8w before the restart with no recruitment yet.

INTERIOR (1/2)

HIGHLIGHTS: SVC2: Audit Issues have been reviewed and any outstanding ones are logged in in the SVC3 Issue Log. Some SVC2 Improvements vs SVC1: Pedal Distances.

SVC3: Engineering Scope of Work for Interior completed. Handed over for RFQs: Crash & Safety Sub-system Requirements to be put in other modules. Seat Virtual Concept Verification - ISOFIX tests completed.

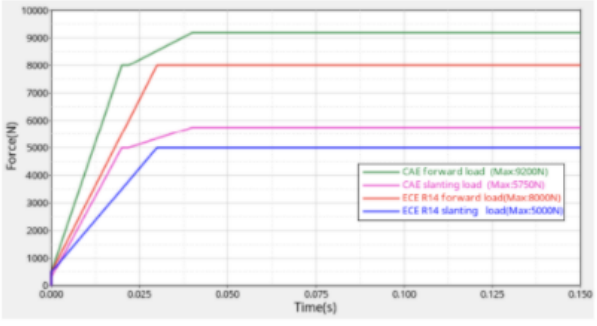
LOWLIGHTS: None

BLOCKER: None

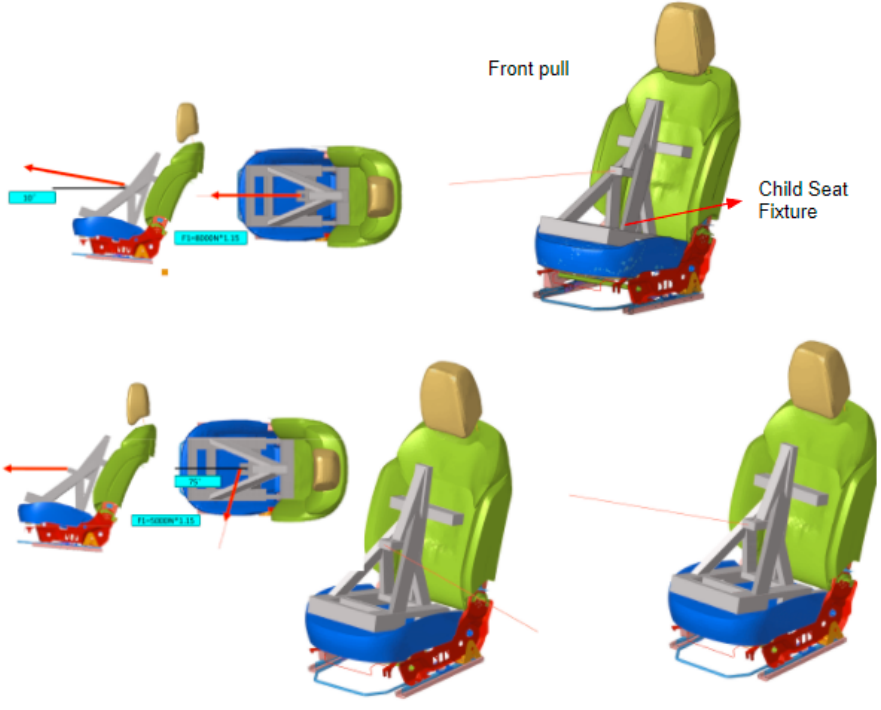
INTERIOR (2/2)

ECE R14 - ISOFIX

Front Passenger



No interruption (breakage, damage etc.)
during the loading was observed



ECE R14 ISOFIX - Pass

BODYSTRUCTURE

HIGHLIGHTS: SVC3: Pre-Restart with ESP. Contact with Body Structure Supplier. Good job interviews.

LOWLIGHTS: SVC3: Supplier no start yet. DFMEA meetings are not effective enough.

BLOCKER: None

INFOTAINMENT (1/3)

HIGHLIGHTS: SVC2: Visit supplier and had USB interfaces for data, debug and Instrument cluster Audio solution installed in SVC2.2

SVC3: IHU head unit deep dive on supplier pool ongoing.
Dual display (with our design proposal) has been accepted from Supplier.
Evaluation of mechanical integration as well as calculation on development and certification costs ongoing.

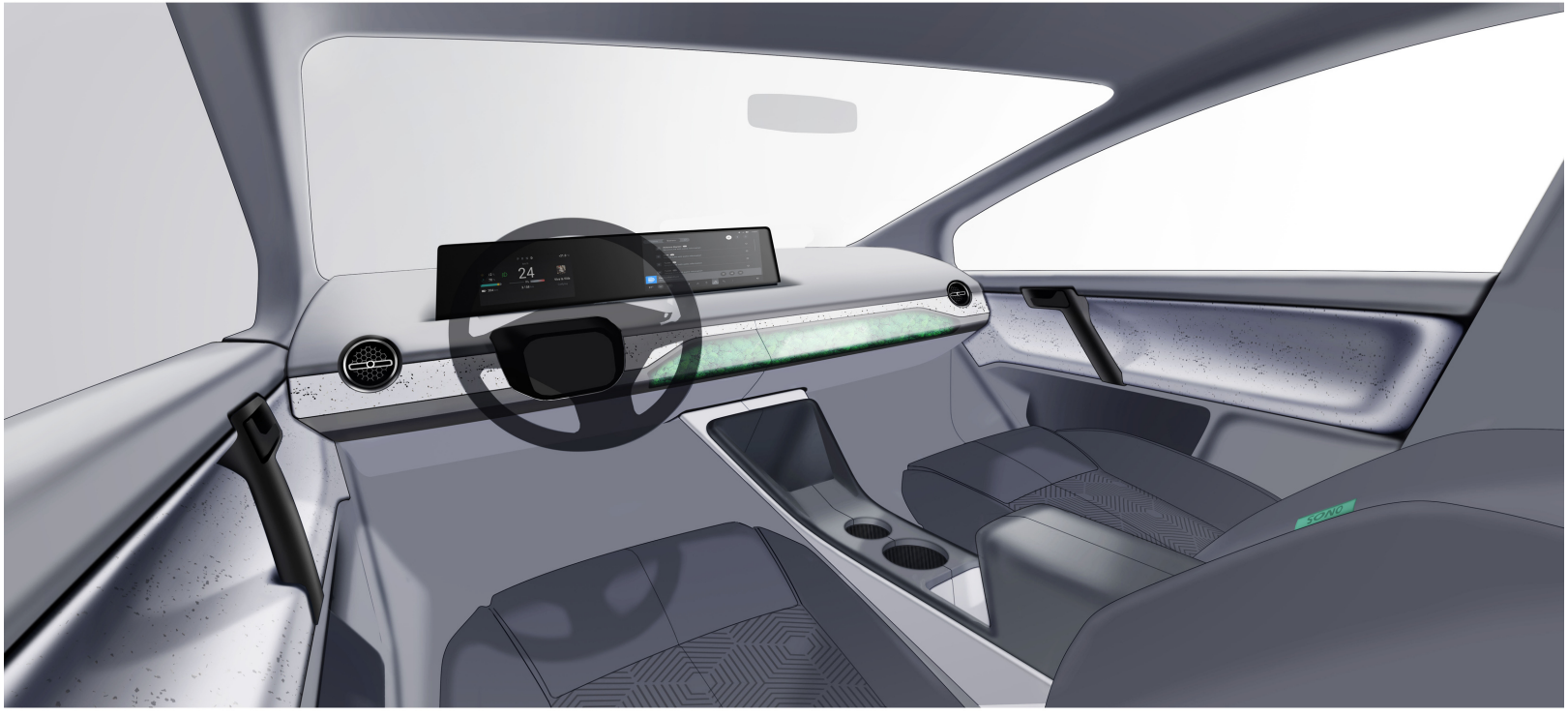
INFOTAINMENT (2/3)

LOWLIGHTS: SVC2: Discharge functionality may not work with current implementation if cable detection does not work. Tests will confirm this.
SVC3: Modules like eCall and Antenna kick-off will be delayed due to missing resources in the team.

BLOCKER: SVC2: If E2E test results require any SW change on the application side (SVC2), changes thru supplier is still possible.

SVC3: Clear picture on budget distribution between Group Sion and Sono Digital needed. IHU not finalized -> we can not decide on modules like USB interface, Microphones, Amplifiers and Tuner as long as IHU is not frozen.

INFOTAINMENT (3/3)



E/E DESS CLUSTER

HIGHLIGHTS: SVC2: Seat heating is functional and can be controlled by instrument cluster.
SVC3: Making progress with transfer of infotainment items into E/E.
The BCM technical feature list for Series is sent to supplier.

LOWLIGHTS: SVC2: Need to decide: SVC2 vs SVC3 priority. Electrical testing on vehicles is still to be performed.
SVC3: ADAS evaluation. Progress being made on schematics/electrical interface/topology/device transmittals but falling behind schedule.

BLOCKER: None

DESS

HIGHLIGHTS: SVC2 : SVC2.1 is going testing on a test track next week. First new features for MCU are developed that allow for solar panel inspections and irradiance measurements.

LOWLIGHTS: SVC2: Driveshafts for SVC2.1 has to be changed, play in the inner joints discovered. Thankfully, no blocker, because we have spares.

BLOCKER: SVC2: coincidence of sunny weather and testing days in Roding tricky.
SVC3: Need to move ahead with feasibility study before restart.

THERMAL

HIGHLIGHTS: SVC3: Restart planning meetings with ESP and supplier done → overall good progress of restart timing with ESPs

LOWLIGHTS: SVC2: Compressor random stopping during operation. Compressor noise is too loud → NVH issue at bracket.

BLOCKER: None

CHASSIS

HIGHLIGHTS: SVC2: Solving SCCM rotation issue.
Springs and dampers MRD OK up to now.

SVC3: Front end extension issue moving forward.
Open discussions about RLDA, DVP, timing. Good hiring progress.

LOWLIGHTS: None

BLOCKER: None

DESIGN

HIGHLIGHTS: SVC2: Interior LOP action Plan at Roding
SVC3: Design CAS: Exterior Styling CAS started.
New solar cell mapping with bigger cells and exterior styling modifications to fit them.
Front hood will fit more cells due to extension.
Sion Key redesign.

LOWLIGHTS: None

BLOCKER: None