DEVELOPMENT SPRINT REVIEW
CALENDAR WEEK 14.22

GENERAL (1/3)

HIGHLIGHTS:

- Set up SVC4 computer-aided design model in 3DX done
- Cantrail redesign done
- SVC3 Infotainment: 100% fill rate for parts in the order book
- Heating ventilation and air conditioning CAN messages done
- "Find my vehicle" command strategy done
- SVC3 assembly sequence for chassis squad done
- Good progress in SVC4 roadmap (E/E)
- Complete release of electronic differential slippery for SVC3 (low voltage & high voltage harnesses)
- Steering wheel switches supplier nominated and purchase order signed

GENERAL (2/3)

- SVC3 network management completed: vehicle sleep and wake up
- Cybersecurity alignments with experts took place
- Hazard analysis and risk assessment finalized for bidirectional charging
- High voltage battery cell testing with supplier progressing (dimensions, capacity, charge times)
- Interior grains defined
- New Sono Motors logo on charging lid integrated

IN PROGRESS:

- Deletion of the interior rear overhead lamp in review
- Solar Body Panels not matching defined acceptance criteria – optimization in progress

GENERAL (3/3)

LOWLIGHTS:

- SVC3 internal number system causes extra efforts for supplier matching single part numbers with sub-assemblies
- Low frequency antennas need location update for SVC4 after discussions with supplier
- Delivery times for bidirectional supplies longer than expected
- Ongoing lockdowns in China delay time plans in some squads (e.g. high voltage battery, infotainment, bidirectional)

BODY CLOSURE

HIGHLIGHTS:

- CA for SVC3

IN PROGRESS:

- Pedestrian protection lower leg run with 30mm larger charger lid
- SVC4 alternative solutions for plastic screws
- SVC4 action list
- Geometric dimensioning and tolerancing concept for SVC3
- Alignment intellectual property / patents
- Tailgate sub system technical specification and CTS review

LOWLIGHTS: None

EXTERIOR (1/5)

HIGHLIGHTS:

- Metal brackets stp files for computer-aided engineering analysis → Done
- Body holes check for SVC3 metal brackets → Done
- Order additional metal brackets → Done
- Provide detailed feedback / invite a meeting with the wading simulation supplier
- Check PVC sealing concept with body structure
- Receive feedback from computational fluid dynamics simulation regarding open grille surface → Done
- Cantrail redesign → Done
- Bracket CD panel → Done
- Fix lab car connector issue → Done
- Send license plate amp to supplier → Done

EXTERIOR (2/5)

- Lighting computer-aided engineering analysis review → Done
- Update headlights/bumper interface → In review
- Review design verification plan with supplier → Done
- Discrepancies between supplier bill of material and computer-aided design → Done
- Track delivery of first SVC3 light set → Done
- Add connectors to the roof → Done
- Waterfall cover design optimization → Done
- Investigate possibility of an unibody heating ventilation and air conditioning duct for the windscreen cover assy → Done
- Repositioning clips on windscreen cover assy → Done
- Confirm part deliver and check the parts at supplier → In review
- Discuss missing documents and drawings (design failure mode and effect analysis, electromagnetic compatibility, drawings, ...) with supplier→ In review

EXTERIOR (3/5)

- Define tool mods for gluing→ In review
- Analyze the gluing data supplied by supplier → Done
- Bring not-ordered-parts to 0→ In review
- Bill of material cost - cross-check estimation/quotation/ordered attribute→ In review
- Create an onboarding page with links for the exterior squad → Done
- Supplier clip replacement SVC4 → Done

IN PROGRESS:

- Lack of pedestrian protection and research council for automobile repairs results blocking go for tool
- SVC3 orders for the components not covered by supplier → In progress
- Provide documents/information about the parts to be delivered by supplier → In progress

EXTERIOR (4/5)

- Make the decision if retooling of the lower control bracket of the rear bumper is necessary for SVC3 → In progress
- Finalize fixation concept of front bumper (decide between screw and pushpin) → In progress
- Prepare design release for 90% tool kickoff with suppliers → In progress
- Supply the final design for the air duct to ensure the feasibility of the bumper design → In progress
- Create tool order list of mid and short lead time part → In progress
- Sub system technical specification for ext. ornamentation → In progress
- Update SVC3 delivery timing → In progress
- B-pillar optimization → In progress
- Packaging proposals for under body panels/wheelhouse liner → In progress
- Finalize windscreen cover assy design → In progress

EXTERIOR (5/5)

- Create overview, method for testing and specification, sub system technical specification [for initial assessment] → In progress
- Investigate new shield to reduce the amount of water in the rear undertray → In progress

LOWLIGHTS: None

BODY STRUCTURE (1/3)

HIGHLIGHTS:

- SVC3
  - Updates for SVC3 are released in 3DX → Body Structure O.1
  - Supplier visit → SVC3 build status check
- SVC4
  - SVC4 computer-aided design updates can start → 3DX base is done

- Change request from the squad are in Jira right now
- Duplicate of computer-aided design data for series in 3DX → Done
- Pads and plugs as single parts → Done
- Rename the SVC4 parts in 3DX → Done
- Duplicate of computer-aided design data for SVC4 in engineering supplier system → Done
- Set up SVC4 computer-aided design model in 3DX → Done

BODY STRUCTURE (2/3)

- Replace the 6x20 screws for 6x16 combination screws with captive washers → Done
- Add bolts for fixing tie down hook → Done
- Low frequency antenna mounting, trailer hitch → Done
- Trailer hitch supplier for SVC3 → Done
- Check offer from trailer hitch supplier → Done
- Tow hook standard → Done
- Body structure D-brace release SVC3 → Done
- Body structure trailer hitch assy release SVC3 → Done
- Body structure front end assy release SVC3 → Done
- Body structure crash management system rear assy release SVC3 → Done
- Body structure crash management system front assy release SVC3 → Done
- High voltage cable channel → Done
- Positioning rear spring seat DHP213 → Done

BODY STRUCTURE (3/3)

- Drawings single parts body structure → Done
- SVC3 - system maturity levels → Done
- Enter information on critical parts for packaging → Done

IN PROGRESS:

GENERAL

- Slow responses (Sono internal) on information requests

SVC3

- Feedback body structure supplier: Sono number system causes problems, as for supplier it is hard to match the single part to sub-assemblies (only with computer-aided design system possible)

LOWLIGHTS: None

INTERIOR (1/2)

HIGHLIGHTS:

- Deletion of the interior rear overhead lamp → In review
- SVC3
  - Cross-functional data status for the completion of interior development
  - Steering column updates lead to cross car beam & instrument panel changes post DR

IN PROGRESS:

- Instrument panel cables to center information display → In progress
- For all crash and safety series-validation vehicles robust parts are required. → In review

INTERIOR (2/2)

LOWLIGHTS:

- Unsourced steering column control module is holding up instrument panel, shroud, steering wheel and driver airbag
- Unsourced E/E multimedia-advanced driver assistance system switches holding up steering wheel
- Overhead console thus headliner design affected by eCall and wiring

INFOTAINMENT (1/3)

HIGHLIGHTS:

- SVC3
  - 100% fill rate for parts in the order book
  - Parts are being delivered

- Update antenna device transmittals with correct part number & images → Done
- eSIM shipping to supplier → Done
- Head unit detailed design document → Done
- Organize and send over files/documentation to send to engineering service providers → Done
- Heating ventilation air conditioning CAN messages → Done
- Microphone device transmittals updated → Done

INFOTAINMENT (2/3)

- Cost analysis for rear USBs for consideration of removal → Done
- Define vehicle preconditioning on SION REQ → Done
- "Find my vehicle" command strategy → Done
- Revise vehicle connectivity module SW release plan → Done
- Vehicle access & start workshop → Done
- Define unlock/lock doors remote commands → Done
- Fix vehicle connectivity module SVC3 manufactured part error → Done
- Draft vehicle connectivity module boundary diagram → Done
- Check SVC3 product in 3DX → Done
- Geometric dimensioning and tolerancing concept for SVC3→ Done
- SVC3 - System maturity levels → Done

INFOTAINMENT (3/3)

- Sprint cross-functional: recognize the current status of descriptions that can be used for the development handbook → Done
- Change action for parent bill of material items (for fasteners) → Done
- SVC3 expected delivery date → Done

IN PROGRESS:

- Expected software deliveries by April 15 will not be met and contingency plan (Plan B) will be carried out with another supplier

LOWLIGHTS: None

THERMAL (1/2)

HIGHLIGHTS:

- All parts ordered (purchase orders) for SVC3 → Done
- Impact on technical topics due to updated timeline → In review
- Resolve all errors in SVC3 order book → Done
- Create overview Component Test System (CTS), Methods for Testing & Specification (MTS), Subsystem Technical Specifications (SSTS) [for initial assessment] → Done
- SVC3 part robustness for Crash and Safety → Done
- Geometric dimensioning and tolerancing concept for prototype → Done
- Enter information on critical parts for packaging → Done
- Sprint cross-functional: recognize the current status of descriptions that can be used for the development handbook → Done

THERMAL (2/2)

- Torque value definition → In review
- Workshop with research and development squads to review PMCS issues & deliverables → Done
- Create boundary diagram and interface analysis → Done

IN PROGRESS:

- Time plan thermal regarding supplier lead times for SVC4 and series → In progress
- Moss testing and geometric change for SVC4/5/Series → In progress
- Alignments with interior and BIW team → In progress
- Software released for SVC3 → In progress
- SVC3 provision of assembly instructions → In progress

LOWLIGHTS: None

CHASSIS (1/7)

HIGHLIGHTS:

- S – define SW maturity and electronic stability control timeline plan → Done
- Refine test & development plan → Done
- Brake hoses & pipes → Done
- Brake lines readiness → Done
- Implement brake line clips → Done
- Get 3x & 1x brake line clip → Done
- Logistics evaluation with brake supplier → Done
- Provide updated bolt loads in vehicle coordinate system for chassis hardpoints → Done
- Create bolted joint request sheet → Done
- SVC3 parts delivery date → Done

CHASSIS (2/7)

- Chassis test & development -1 → Done
- SVC3 assembly sequence —> Done
- 1 piece of Coalition for Effective Public Safety (CEPS) needed for LabCar → Done
- SVC3 steering vehicle DVP → Done
- SVC3 steering component DVP → Done
- Fastener spec → Done
- Steering column control module interface to be finalized → Done
- Intermediate shaft fastening strategy → Done
- 3D models are missing —> Done
- Knuckle drawing review → Done
- Series timeline for spindle → Done
- Kickoff spindle testing discussion → Done

CHASSIS (3/7)

- Spindle drawing approval for SVC3 definition → Done
- Front sub frame design verification plan test numbers, sequence of tests & no. of samples definition → Done
- To check impact of using S355 in place of S420 for sub frame child parts – SVC3 build → Done
- Life cycle assessment bush push out load & buckling load specifications from Febi → Done
- Subframe geometric dimensioning and tolerancing model release to supplier.--> Done
- Feasibility check to add spring plastic sleeve → Done
- Design verification plan test numbers agreement with supplier development phase wise → Done
- 2D drawings for strut and shock absorber supplier-review and feedback → Done
- Request for quotation release for supplier → Done
- Rear spring pad Request for Quotation (RFQ) release → Done
- Generate test loads based on virtual road load data acquisition @supplier → Done

CHASSIS (4/7)

- Knuckle testing-road load data → Done
- Define test method for front subframe → Done
- Define test method for lower control arm → Done
- Steering history → Done
- Align with supplier for electronic stability control functions → Done
- Freeze CAN matrix for first Software Requirements (SWR) for LabCar → Done
- Road permission level (RPL 0 - RPL1 - RPL2: what needs to be done to support steering – suspension activities? → Done
- When and where are RPL3 and RPL4 planned? → Done
- Weekly follow up with supplier → Done

CHASSIS (5/7)

IN PROGRESS:

- Requirement and its management – M → In progress
- Software and functional timeline – S → In progress
- Test and LC development – L → In progress
- SVC3 build – 1 → In progress
- Steering fasteners → In progress
- Nominate autoline for brackets → In progress
- Computer-aided engineering of rear axle to body bracket → In progress
- Tire development 2 → In progress
- Rear axle spindle mounting plate machining & welding sequence → In progress
- Front coil spring design confirmation by supplier → In progress

CHASSIS (6/7)

- Front strut & rear shock development – 1 → In progress
- Rear coil spring development – 1 → In progress
- Rear spring pad development – 1 → In progress
- Define test method for rear twist beam → In progress
- Rear twist beam development – 1 → In progress
- Front subframe development – 1 → In progress
- Chassis test and validation – 1 → In progress
- Verification design inputs from supplier → In progress
- End-of-Life specification → In progress
- Homologation – M → In progress
- S–align development of other electronic control units and electronic stability control → In progress
- Requirements for functions → In progress

CHASSIS (7/7)

- Requirements for interfaces → In progress
- Final system failure mode and effects analysis feedback to finalize the FMEA before SVC3 build → In progress
- General steering – 3 → In progress
- Column electric power steering – 2 → In progress
- Longitudinal motion control alignment → In progress
- Rear spring pad supplier discussion and freeze proposal → In progress
- Suspension tuning development plan-1 → In progress
- Sion chassis history → In progress
- Detailed design confirmation for booster & vacuum sensor → In progress

LOWLIGHTS: None

E/E (1/4)

HIGHLIGHTS:

- E/E Integration:
  - Body Electronics:
    - Steering gear selection strategy defined for SVC3 and series based on the new steering column control module
    - Steering columns control module software test completely done --> 2 bugs found and will be fixed for June SW release
    - Steering wheel switches supplier nominated and purchase order signed
    - SVC3 network management completed: vehicle sleep and wake up
    - Cybersecurity alignments already took place

E/E (2/4)

- Wiring Harness:
  - Complete release of EDS for SVC3 (low voltage & high voltage harnesses)
  - Successful onboarding of EDS manager

- CAD Integration:
  - Updated electronic drive unit envelope created

- Overall:
  - Good progress in SVC4 roadmap
  - Good progress in receiving and creating DTs (no missing, but still incomplete)

E/E (3/4)

IN PROGRESS:

- E/E Integration:
  - Body Electronics:
    - Body control module software test at 80% completed; bugs were discovered, working with supplier to fix them before CW 17
    - Icons at hazard light switches were printed with a 90-degree rotation; solution to be found
    - Misalignment with seat heating strategy (existence of heating buttons on the seats)

- Wiring Harness:
  - Insufficient quality of the drawings from the supplier → slows down progress
  - Access to Catia & 3DX causes time problems

E/E (4/4)

- CAD Integration:
  - Errors with bringing SVC3 harnesses across to SVC4 bill of material
  - Low frequency antennas need location update for SVC4 after discussions with supplier

LOWLIGHTS: None

POWERTRAIN (1/4)

HIGHLIGHTS:

- Successful electric drive unit technology roadmap shared with supplier → sharing of requirements for next gen. Electric Drive Units.
- Supplier testing quotation has come down following reviews → sourcing decision due CW16.
- 1D Vehicle performance & efficiency model built to generate powertrain status for SVC3 and series.
- Electric drive unit moved forward by 8mm to resolve dynamic clash with steering column, looks feasible (work in progress)
- Timing plan (strength targets, computer-aided engineering, design freeze, validation) agreed with supplier for powertrain mounts and cast parts to support SVC3 and SVC4 and clear

POWERTRAIN (2/4)

IN PROGRESS:

- Torque rod issue under 3 kN load due to offset (side collapse of rod main bushing) → requires re-designing for SVC3 → on track to do this
- Quality topics (Production Part Approval Process light for SVC3) need driving harder with suppliers → e.g. due to lack of focus SVC3 dimensional report not provided for powertrain mounts prior to shipping
- Lifetime study for towing feasibility kicked off but taking time
- Tasks demand more time than planned (supplier work)
- Solution for missing chassis control area network on vehicle control unit still work in progress (3 options being explored)

POWERTRAIN (3/4)

- Ongoing process solving for clash of distribution and charging unit to high voltage battery harness during crash (investigating change to BiW shelf)
- Powertrain System Performance Simulation → In progress
- SVC3 Powertrain system test facilities → In progress
- Select Test Facility Provider→ In progress
- Switch Module computer-aided design for LabCar→ In progress
- Assembly manual for powertrain→ In progress
- Package investigation movement envelope EDU→ In progress
- Integrate high voltage battery into reviews with suppliers→ In progress
- Review misuse simulation results→ In progress
- Resting leg tips for assembly→ In progress
- Electric drive unit translation investigation→ In progress

POWERTRAIN (4/4)

- Vehicle control unit testing at supplier → In progress
- Cable lengths from electric drive unit to high voltage / low voltage supply → In progress
- Bolt Torque – Elongation measurement (Workshop) → In progress

LOWLIGHTS: None

BI-DIRECTIONAL (1/2)

HIGHLIGHTS:

- Hazard analysis and risk assessment finalized
- DTs finalized

IN PROGRESS:

- Delay on distribution and charging unit delivery because of lockdown in China
- Long lead times for components (> 40 weeks)
- Update distribution and charging unit tech spec → In progress
- Diagnostic requirements → In progress
- EE Design verification plan for SVC3 → In progress

BI-DIRECTIONAL (2/2)

LOWLIGHTS:

- Test standards – E/E – DESS
- Distribution and charging unit resource planning
- Distribution and charging unit hiring development engineer
- Impact on technical topics due to updated timeline
- Distribution and charging unit (old name → OBC) design verification plan
- Power line communication design verification plan

HV BATTERY (1/3)

HIGHLIGHTS:

- Supplier working on plan to provide 2 x bill of materials for B sample beta packs
- Cell testing with supplier progressing (dimensions, capacity, charge times)
- High voltage battery pack design verification plan close to being finalized
- High voltage battery workshop being kicked off to review key design issues and uptrain team

HV BATTERY (2/3)

IN PROGRESS:

- Supplier comparison in cell design verification plan → In progress
- Test procedure for cycle life, discharge at different temperatures and storage life test → In progress
- Template preparation for test procedure document → In progress
- Test procedure for fast charging, cell isolation, energy, power maps for cells → In progress
- Quote for supplier cell testing → In progress
- Power Management and Control System (PMCS) Input HV battery: S0&S1=100% → In progress

HV BATTERY (3/3)

LOWLIGHTS:

- Timing delay from supplier does not meet build timing (impacted by lockdowns in China)
- Working on a plan with the supplier to improve timing

SIMULATION (1/3)

HIGHLIGHTS:

- Aluminum/plastic AC compressor bracket simulation → Done
- Closures dynamics – doors → Done
- Supplier computer-aided design data – round 2 → Done
- Sealings – deformation over compression behavior → Done
- Supplier checks water management – sealing geometry → Done
- Tolerances calculation high voltage battery → Done
- Abaqus – installing and making runnable → Done
- Animator 4 – installing → Done
- Beta software (Ansa etc.) – installing → Done
- Leadership workshop – first preparation → Done
- SimOrg processes → Done

SIMULATION (2/3)

- Simulation process – high level landscape → Done
- Noise vibration harshness durability – model revision tracker available → Done
- Chassis dynamic stiffness report collection → Done
- Brackets list – simulation plan → Done
- High voltage battery – computer aided design release in 3DX → Done
- 12V battery bracket → Done
- Program management control suite body topics → Done
- Tightening force for HVB bolts → Done
- Special screws for HVB → Done
- Program management control suite tickets in Confluence → Done
- Abaqus run from cmd → Done
- Supplier – wading load case clarification → Done

SIMULATION (3/3)

- Supplier – program management control suite issue excel list → Done
- Supplier – wiper kinematic - model content → Done
- Damper coefficient plot – singularities around v=0 → Done
- Tasks for the closings Q1/22 → Done
- Water mgmt – date of sealing computer aided design delivery available → Done

IN PROGRESS: None

LOWLIGHTS: None

NVH (1/3)

HIGHLIGHTS:

- Interior design and supply support
- Design support noise vibration harshness topics (brackets and mounts) torque rod adjustments
- Sound designer nominated – order placed
- E-Coating and general assembly organization support – material procured, detailed planning in progress
- Instrumentation procurement for buck testing
- Create presentation of heating, ventilation and air conditioning to dash insulation changes needed for SVC4 → Done
- Create a program management control suite point for torque rod versus subframe clash in new envelope → Done

NVH (2/3)

- Investigate space in subframe around torque rod → Done
- Workshop of noise vibration harshness status document → Done
- Evaluate weight reduction results load dynamic stiffness and noise transfer function → Done
- Measurement signals review → Done
- Organize tools → Done
- List of materials for SVC3 support – request for quotations and purchase orders → In review
- Prepare a presentation to update interior team on Tuesday meeting 15/2 → Done
- CLONE - CAD endstop - check → Done

IN PROGRESS:

- Design verification plan update to new timeline
- Vehicle testing procedures writing

NVH (3/3)

LOWLIGHTS:

- Provision testLab for group digital → Backlog
- Testing facilities' prospection – chassis dyno → Backlog
- Purchasing of little equipment NVH testing → Backlog
- Create overall noise vibration and harshness status → Backlog
- Review interior quotations → Backlog
- Steering column SVC2-SVC3 → To-do
- Manage a suitable "free" bearing for the buck → To-do
- Set up free-free roof panels modal measurements → Backlog
- Pass-by tests of all considered tires references → To-do
- Tire specifications data (noise results) to NVH → To-do
- Tire supplier/model changes → To-do
- Sounds patterns for head unit → To-do

WEIGHT MANAGEMENT (1/2)

HIGHLIGHTS:

- SionWeightStatusReport-SVC4 → Done
- SionWeightStatusReport-SVC3 → Done
- SionWeightStatusReport → Done
- Input quality monitoring-SVC4 → In review
- Input quality monitoring-SVC3 bill of material → In review
- Benchmark-EV axle distribution → In review
- Tasks for the closings Q1/22 → Done
- Benchmark update electric vehicles targets → Done
- SVC3 bill of material → In review
- Benchmark update-crossbeam → Done

WEIGHT MANAGEMENT (2/2)

- Mass list-new template → In review
- Masses package list update → Done
- Input quality monitoring-update – bill of material tools topic → Done
- Benchmark update → Done

IN PROGRESS:

- Jira Link to the requirement board still in Work (VTS related topics still open)
- Jira Sprint view in weight management confluence page still in work
- New version certificate of conformity → In progress
- Sion weight table with scenarios → In progress

LOWLIGHTS: None

RECYCLING (1/2)

HIGHLIGHTS:

- Order needed ISO standards → Done
- Check of parts marking has to be integrated into conformity of production process → Done
- Integrate reuse ban for specific parts in COP process → Done
- Feasibility: which solar recycling companies are in the market? → Done
- NDA with consultancy for environmental product compliance → Done
- Research legal requirements for solar recycling process → Done
- Check with purchasing if RFO for recycling research project PV cycle / partner necessary (he will send an offer) → Done
- Contact potential recyclers to get basis for possible fit for recycling trials → Done
- Trial on recycling process with solar materials → Done

RECYCLING (2/2)

- Sprint process adjustments → Done
- Squad level objectives and key results 2022 → Done

IN PROGRESS: None

LOWLIGHTS: None

HOMOLOGATION (1/2)

HIGHLIGHTS:

- Forms for initial assessment to be included in negotiations with an external manufacturer → Done
- Set up control plan → In review
- Create process draft: "Ensure product and production conformity" → In review
- Deviation management → In review
- Obtain technical data and descriptions → Done
- Vehicle labels necessary for SVC3 → In review
- Sprint process adjustments → Done

HOMOLOGATION (2/2)

IN PROGRESS:

- Request a second quotation for the entire conformity of production test coverage CSI → In progress
- Request a first quotation for the entire conformity of production test coverage → In progress
- Create process draft: integration of homologation relevant requirements" → In progress
- Create overview Component Test System (CTS), Methods for Testing & Specification (MTS), Subsystem Technical Specifications (SSTS) [for initial assessment] → In progress
- Create process draft: "React to approval relevant changes" → In progress
- Issue management → In progress
- Product integrity: product safety circle + subsequent processes → In progress
- Certify process flow → In progress

LOWLIGHTS: None

VIRTUAL VEHICLE (1/2)

HIGHLIGHTS:

- Configuration SVC3 product structure in 3DX —> Done
- Create overview in confluence —> Done
- Build SVC3 and series structure as new —> Done
- Rerouting cables of I&C parts —> Done
- Lead time SVC4 fasteners initial discussion —> Done
- Production part approval process SVC4 initial discussion —> Done
- Upload the new 3D received in week 11 & 12 —> Done
- Sprint cross-functional: recognize the current status of descriptions that can be used for the development handbook —> Done

VIRTUAL VEHICLE (2/2)

IN PROGRESS:

- Create material bill of material basic framework → In progress

LOWLIGHTS: None

DESIGN (1/2)

HIGHLIGHTS:

- Gap bumper front light → Done
- Interior grains → Done
- Plexiglass for SVC3 → Done
- Start steering wheel switch surfaces → Done
- Progress on design quality template → Done
- Update grille styling → Done
- Update charging lid Sono logo → Done
- Update Sion tailgate logo → Done
- Sprint cross-functional: recognize the current status of descriptions that can be used for the development handbook → Done

DESIGN (2/2)

IN PROGRESS:

- Freeze color & trim for interior SVC3 vehicles → In progress

LOWLIGHTS: None

FUNCTIONAL SAFETY (1/4)

HIGHLIGHTS:

- Development interface agreement alignment with supplier → In review
- Push functional safety solar position online → Done
- Impact on technical topics due to updated timeline → In review
- Budget to be analyzed and updated based on "new" timeline communicated in week 12 → In review
- Set up graphic to show functional safety CC → In review
- Development interface agreement alignment with supplier → In review
- Initial assessment – hazard analysis and risk assessment process → Done
- Initial Assessment – fault tree analysis → Done
- Initial Assessment - processes approach → Done
- Update timeline → Done
- Develop description for top level functional safety approach in confluence → Done

FUNCTIONAL SAFETY (2/4)

- Sprint cross-functional: recognize the current status of descriptions that can be used for the development handbook → In review
- Preparation of a document with safety goals, automotive safety integrity level rating, safe states and external measures for supplier → In review
- Setting an IT ticket to request the shared Jira board with suppliers to track functional safety activities → Done
- Meeting with disciplinary lead for evaluation talk → Done
- Setting up confluence page for supplier management functional safety activities (general explanation) → Done
- ADAS Functional safety development interface agreement alignment with supplier → In review
- Aligning timeline with testing squad → In review
- Development interface agreement alignment with supplier → In review

FUNCTIONAL SAFETY (3/4)

- Development interface agreement optimization → Done
- Alignment of template for safety goal communication → Done
- Establish the communication with supplier for functional safety items → Done
- Align homologation expectation until start of production '23 → In review
- Forward planning 2022 based on Supplier expertise after functional safety concept phase → Done
- Bidirectional charging system – hazard analysis and risk assessment → In review
- Vehicle start – hazard analysis and risk assessment → Done
- Cruise control – hazard analysis and risk assessment → Done
- Battery management high voltage – hazard analysis and risk assessment → Done
- Updating iTPMS – item definition → In review
- Update driving stability – item definition → In review

FUNCTIONAL SAFETY (4/4)

IN PROGRESS: None

LOWLIGHTS:

SVC3

- Update item definition status
- Hazard analysis and risk assessment review status

CRASH & SAFETY (1/3)

HIGHLIGHTS:

- Crash and Safety – results to load case overview → Done
- Computer-aided engineering models for supplier/mold → Done
- Keyhole opening for headliner clip in roof header → Done
- Accessibility issue on B-pillar weld → Done
- Side crash – barrier – integrity lower B-Pillar patch → Done
- Side crash – pole – failure upper B-Pillar patch → Done
- Side crash – pole – structural integrity of rocker → Done
- Tack weld (Heftnaht) on z-bar → Done
- Update door-in-white → Done
- Update seatbelt model due model v004 → Done
- Headliner clip resistance – evaluation of current development state → In review

CRASH & SAFETY (2/3)

- Abolition of heating ventilation air conditioning and interior airducts for instrument panels intended to be used in sled testing → Done
- Crash and Safety computer-aided engineering – SVC3 Status Review – Occ. Safety → Done
- Crash and Safety computer-aided engineering – SVC3 Status Review – Occ. Safety – PMCS issue list → Done
- Charger lid – requirement "functional after ls crash" → Done
- Crash and Safety computer-aided engineering – SVC3 status review – low speed → Done
- Material card creation for foams → In review
- Updated frontend cross member → Done
- Crash and Safety computer-aided engineering – SVC3 status review – pedestrian protection → Done

CRASH & SAFETY (3/3)

- SVC3 lashing eye reduced thickness → In review
- DEBUG passenger seat model → In review
- Alternative seat attachment concept → In review
- Crash and Safety computer-aided engineering – SVC3 status review – seats & restraints → In review
- SM-6-220 – stress/strain-curve from supplier→ In review
- Crash vehicle usage – crash sensing – SVC3-11 + 12 → Done
- Vehicle and buck availability → Done
- Headcount plan update interior → Done

IN PROGRESS: None

LOWLIGHTS: None