



26 August 2019

City of Ottawa
 O-Train Construction
 110 Laurier Avenue West,
 Ottawa, ON K1P 1J1
 Mail Code: 23-10

Our Reference:	RTG-OTT-00-0-LET-0871
OLRT Reference:	OLR-RTG-00-0-LET-1468
Project Agreement Reference:	N/A

Attention: Michael Morgan
 Director, O-Train Construction Office

Subject: Final System Completion

Dear Mr. Morgan:

Please refer to the attached correspondence from OLRT-C's Testing and Commissioning Director, Steven Nadon, pertaining to the remaining minor deficiencies for the Systems Works.

Should you have any questions, or require additional information, please do not hesitate to contact us.

Yours truly,

Peter Lauch, P. Eng.
 CEO
 Rideau Transit Group General Partnership

cc.: Gary Craig, Claudio Colaiacovo, Richard Holder, Lorne Gray – OTC
 Matthew Slade, Steve Nadon, Jacques Bergeron, Bill McCormick, William Coleman, Tyler Mieke, Gonzalo Gomeza, Chris Woodmass – OLRT-C



OLRT Constructors/Constructeurs
 Confederation Line
 Trailer Complex
 7 Bayview Road
 Ottawa, Ontario
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Rideau Transit Group General Partnership
 1545 Carling Avenue, Suite 406
 Ottawa, Ontario
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August 20, 2019
 Submitted Electronically

OLRTC Ref.:	OLR-RTG-00-0-LET-1468
RTG Ref.:	N/A
City Ref.:	N/A
Project Agreement Ref.	N/A

Attention: Peter Lauch,
 Chief Executive Officer

Subject: Final Systems completion - OLRT

Dear Mr. Lauch,

Please find within this letter an outline of remaining deficiencies that the OLRT-C feels is not critical to revenue service. In conjunction with this letter provided, is a spreadsheet outlining all remaining works beyond completion of Ottawa's LRT. As of August 20th, 2019 all Systems works are complete with the exception of the following minor deficiencies within these spreadsheets:

- **Systems remaining minor deficiencies**
 - This Systems deficiencies list includes any items that were damaged, had incomplete designs, obstructions preventing intended use, new City of Ottawa changes, or inconsistencies amongst the stations. All remaining items are either minor conditions that will be complete in the next 3 months, or post RSA items that will be complete in the next 3 weeks in preparation for public occupancy.
- **Safety related deficiencies**
 - The safety deficiency list contains three items related to project safety that have been deemed minor and will not affect the safety of the public in any way. These item are pending final testing and are to be complete in the next 6 months.



- **CCL deficiencies**

- Engineering joint venture final review of completed construction tasks. Note any remaining CCL's are minor and do not affect revenue service or public safety.
- The following CCL are effectively closed, as they have a statement relating to SIL2 compliance in the marshalling panels at the stations. This statement was added erroneously and does not apply to the marshalling panels (as it was also in the TPSS CCLs and was removed by the EoR).
 - REJ-OLR-53-5-CCL-0238 Blair Station - IFC Comms
 - REJ-OLR-53-5-CCL-0237 Cyrville Station - IFC Comms
 - REJ-OLR-53-5-CCL-0236 St Laurent Station - IFC Comms
 - REJ-OLR-53-4-CCL-0242 MSF - IFC Comms
 - REJ-OLR-53-4-CCL-0234 Tremblay station Comms IFC
 - REJ-OLR-53-3-CCL-0235 Hurdman Station - IFC Comms
 - REJ-OLR-53-3-CCL-0233 Lees Station - Comms Systems IFC
 - REJ-OLR-53-3-CCL-0232 Communications and Signals - uOttawa Station - IFC
 - REJ-OLR-53-2-CCL-0241 Communications and Signals - Rideau Station - IFC
 - REJ-OLR-53-2-CCL-0240 Communications and Signals - Parliament Station - IFC
 - REJ-OLR-53-2-CCL-0239 Communications and Signals - Lyon Station - IFC
 - REJ-OLR-53-1-CCL-0231 Communications and Signals - Pimisi Station - IFC
 - REJ-OLR-53-1-CCL-0230 Communications and Signals - Bayview Station - IFC
 - REJ-OLR-53-1-CCL-0229 Communications and Signals - Tunney's Pasture Station - IFC

- **Certificates and licensing**

- Where OFS certifications are required, work on site is complete. Pending final inspections by City of Ottawa for official closure.

As Testing and Commissioning Director (responsible for systems) I undertake the responsibility of rectifying all items on this list within the timelines indicated. We confidently believe that all remaining items shall not hinder proceeding with revenue service, nor do these effect the safety of the train riders.



Sincerely,

A handwritten signature in black ink, appearing to read "Steven Nadon", written over a horizontal line.

Steven Nadon
T&C Director

Signed by:

A handwritten signature in black ink, appearing to read "Jacques Bergeron", written over a horizontal line.

Jacques Bergeron
Systems Integration Director



Cc: Gonzalo Gomeza
Bill McCormick
Mathew Slade

Systems Minor Deficiencies (RSA Deficiencies)

Source	Location/Area	Issue ID	Title	Description	Priority CLRTC	Priority City	Status CLRTC	Status City	CLRTC Comments	City Comments	Update Week
City PL (Sys)	Vehicle	City Sys PL-2	FDAS-CBTC SIT @ station, second vehicle finished dwell time	During FDAS-CBTC SIT, vehicle on fire was to go to Tremblay East platform from north track passing through switch. Since switch SW_317 was showing "disturbed" status, CBTC made vehicle on fire stop ahead of diamond. It didn't go to closest station.	Minor	Minor	Closed	Open	City SOP was tested last week with the FOR April - 10 - MS to update action re. disturbed switch. April 3 - MS to provide update. HB/ED will review operating procedure. MS ask Thales to respond (system worked as intended- trains are not to pass through disturbed switches under ATO) Closed - issue addressed by SOP	Major safety concern. T&C mentioned this is likely being covered by an OC Transpo SOP. Needs to be tied back to PA in case we want to challenge this.	Wk 31 (28-Jul-2019 to 03-Aug-2019)
City PL (Sys)	Tremblay	City Sys PL-6	Phone not mounted near Cooms Room door	mTel in Tremblay (?) Cooms Room not mounted near door but rather hidden behind server rack, not as per design.	Minor	Minor	Open	Open	Jun12 - SN to review	Aug 13 -Back of house unable to check	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	SCADA	City Sys PL-7	NMS alarm delay when SCADA disconnects from CTS.	4 second design requirement for NMS to show disconnect alarm not met when SCADA disconnects from CTS.	Minor	Minor	Closed	Open	Jun20 - HB - Discussions with the designers have revealed that the 4 second value is not a PA requirement, nor a design requirement. It is something that was carried forward from a previous project. The NMS will poll end-devices for connectivity (using ping) every 60 seconds. Jun12 - SN to review		Wk 26 (23-Jun-2019 to 29-Jun-2019)
City PL (Sys)	SCADA	City Sys PL-8	NMS/SCADA alarms do not clear automatically for CTS connection	When SCADA reconnected to CTS, NMS & SCADA workstation alarms are not cleared. Manual refresh of NMS server is required.	Minor	Minor	Closed	Open	Jun 20 - HB - Disagree with City's observation. Upon reconnection of the network cable to the RTU, the SCADA alarm is instantly cleared. The NMS will poll end-devices for connectivity (using ping) every 60 seconds.		Wk 26 (23-Jun-2019 to 29-Jun-2019)
City PL (Sys)	CBTC	City Sys PL-11	Disturbed switch impacts complete system service - Major	Disturbed Switch - Single Failure on track switch disables all routes through both sides of guideway - system needs to continue passenger service with 1 disturbed switch on mainline. - Flank Protection Function	Pre-RSA	Pre-RSA	Closed	Open	Aug 19-see SUB-5391 Jul26, Tested on July 25. City was there to witness Jun26 - CLRT still waiting for City SOP to complete the testing Jun19 - Waiting for City SOP Jun07- SOP incoming. Test pending on SOP. Apr 17- Escalate - ED See letters OLR-RTG-08-04-LET-1287, RTG-OTT-08-04-LET-0769. Also see NCR-0825. Closed here (do not track duplicates.)	Mar 27 - City will review after focus meeting. Need to demonstrate the expected MTBF are being met. Current failure rate provided to RnH. Need root cause analysis. 10 Jul - This CBTC Zone Controller function needs to be addressed as snow, ice, and mechanical wear will inevitably result in a disturbed switch during service. Need to continue service safely under ATP/ATO operation when that occurs. 18 Aug - SN to provide test result for mainline operation 15 min headway requirement with disturbed switch	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-13	MSF CBTC update to revised guideway-major.	MSF Guideway - Handover Platforms: Simulator software and training material do not reflect the actual track layout of the MSF area, including handover area and switches on track 39.	Minor	Minor	Open	Open	MS - Minor issue will be resolved post RSAD - no operational impact		Wk 13 (24-Mar-2019 to 30-Mar-2019)
City PL (Sys)	CBTC	City Sys PL-16	ZC Remote Reset	The ability to remotely reset the ZC must be incorporated before completion.	Minor	Minor	Open	Open			Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)	CBTC	City Sys PL-17	ASC station stopping - rough brake - major.	ASC station stopping; rough approach at final stopping to zero speed condition	Minor	Minor	Open	Open			Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)	CBTC	City Sys PL-18	Master clock vulnerability - Major	Master clock vulnerability - When a master clock input was adjusted during testing in October/November, all CBTC Zone Controllers faulted and stopped all trains. Issue needs to be confirmed to be fixed. OLRT_OR_007	Minor	Minor	Closed	Open	Jun 12 - SN to verify with Thales Apr 18 - Software load on Friday April 19th Apr 10 - City to review. Apr 3 - RES-18-0-0000-SIT-OR2069 Mar 27 - Report submitted, City to review. SN: testing to complete 22/FEB/19 issue closed	Technical meeting 3/20 confirms that vulnerability has not been fully corrected and tested. Thales has indicated 5.03 will fix 10 Jul - Can close (GMC)	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	CBTC	City Sys PL-19	Timetable Compiler- Travel times are incorrect. - Major	Timetable Compiler - Travel Times for Accelerated, Normal, and Energy Saving modes are not accurate and some are missing.	Minor	Minor	Open	Open		10 Jul - This was escalated to Thales in meeting June 11, June 5, May 26 and earlier. This impacts ATS functions for schedule regulation, headway management and train arrival prediction.	Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)	CBTC	City Sys PL-20	CBTC movement during VOBC Self test - minor	OLRT_SOR-054: The Train Operator must not move a manually driven train if the TOD indicates that the VOBC self-test is in progress; if an unexpected emergency situation requires the train to be moved while the TOD indicates that the VOBC self-test is in progress, the Train Operator must switch cut-out mode in order to move the	Minor	Minor	Open	Open			Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)		City Sys PL-22	Manual Coupling _ TOD- minor	Manual Coupling: When manually coupling trains, the TOD will display "Couple Cancelled" despite the coupling maneuver being successful This is due to some unexpected train behaviours.	Minor	Minor	Closed	Open	issue has been resolved. - MS		Wk 10 (03-Mar-2019 to 09-Mar-2019)

City PL (Sys)		City Sys PL-26	Switch next to adjacent moved	Switch Control: Switches cannot be controlled automatically if any track immediately adjacent to the switch toe is closed. If tracks adjacent to a switch need to be protected while retaining automatic control of the switch, a work zone with stop and a speed limit of 5 km/h can be used.	Minor	Minor	Closed	Open	This is not a deficiency - variation post-RSAD		
City PL (Sys)	CBTC	City Sys PL-27	CBTC TOD indication of station fire event. Depart. Minor	Station Fire Detection: If a station fire is detected while a train is held at the station, the ATS will automatically release the train hold, however the TOD will indicate that the train is held. Despite this TOD hold indication the train will depart as required.	Minor	Minor	Open	Open			Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	St Laurent	City Sys PL-33	St Laurent Pedestrian Walkway - eTels	The walkway has 2 eTels and requires a total of 5 eTels at a distance of approximately 40m apart.	Minor	Minor	Closed	Open	Jun 12 - SN to review ETEL installation and testing. This is a variation not a deficiency	VO was issued for design. Verbal agreement from OLRT-C to proceed. Awaiting estimate and written quote for installation	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	St Laurent	City Sys PL-34	St Laurent Pedestrian Walkway - Floor	eTels require indicators on floor to meet AODA requirements.	Minor	Minor	Closed	Open	CP - Please confirm if this is related with the new VE provided by the city to install 3 ETEL. This is a variation not a deficiency	Requirement to install floor indicators Jun 10 - ETELS installed. During field test, ETELS 7 & 8 (original ETELS in walkway) passed field test. ETELS 15, 16 & 17 did not function. No voice or SCADA connection to TOCC. Aug 13 - Wrong Station referenced, checked aug 13th only 14 ETELS at St Laurent	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	TPSS	City Sys PL-36	Cameras on poles at TPSS	Cameras on TPSS poles need to be adjusted to compensate for TPSS area coverage and HOL switching gear.	Minor	Minor	Closed	Open	Jun 12 - SN to review The cameras has been installed as per City direction as part of a VE.	There are gaps in the camera coverage and not all HOL switching gear is covered by these cameras	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	OCS	City Sys PL-37	OCS Poles	OCS poles at uOttawa are accessible to the public	Minor	Minor	Closed	Open	The poles are grounded. No other protection is required.	Protection is needed for access to OCS poles	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)		City Sys PL-38	RTM Procedure for Train/Human Contact	No evident RTM response procedure for response to a train/human contact	Minor	Minor	Closed	Open	This is an RTM item - not a deficiency.	A procedure/checklist needs to be developed	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	TPSS	City Sys PL-40	Camera - lighting interface in approaches to Cyrville Station on road access by TPSS	The lack of lighting on this road access results in ineffective camera coverage.	Minor	Minor	Closed	Open	No additional light was identified as required by the TVA report	Sufficient lighting is required for the camera to be effective.	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	Vehicle	City Sys PL-42	Accessing video from the train recorder	There is no clear understanding of the procedures to access video from the train	Minor	Minor	Closed	Open	Covered by the Alstom training documentation	There needs to be documented protocol for downloading video from the train recorders for investigations	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	Cyrville	City Sys PL-43	Gabions at Cyrville - South side	These gabions create stepping stones from the roadway to the guideway	Minor	Minor	Open	Open		Fencing is required to restrict access to the guideway.	Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)	Pimisi	City Sys PL-44	Gabions at Pimisi	These gabions create stepping stones from the roadway to the guideway	Minor	Minor	Open	Open		Fencing is required to restrict access to the guideway.	Wk 10 (03-Mar-2019 to 09-Mar-2019)
City PL (Sys)	TPSS	City Sys PL-46	TPSS fencing - Blair	The risk of access to the TPSS requires a fencing/gate to secure the only side left open.	Minor	Minor	Closed	Open	Not required	Access to the TPSS needs to be mitigated as agreed at the Threat Log Meeting	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	TPSS	City Sys PL-47	TPSS fencing - Cyrville	The risk of access to the TPSS requires a fencing/gate to secure the only side left open.	Minor	Minor	Closed	Open	Not required	Access to the TPSS needs to be mitigated as agreed at the Threat Log Meeting	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	TPSS	City Sys PL-48	TPSS fencing - Tremblay	The risk of access to the TPSS requires a fencing/gate to secure the only side left open.	Minor	Minor	Closed	Open	Not required	Access to the TPSS needs to be mitigated as agreed at the Threat Log Meeting	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	MSF	City Sys PL-49	Access detection to MSF connector	There is no GIDS detection in the MSF connector	Minor	Minor	Closed	Open	Jun 12 - SN to follow-up with FN F.D.S is covering the MSF. No action required.	A system for detection is required to mitigate threat	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	System-Wide	City Sys PL-51	Train surfing	The area between the cars is open to "surfing the train"	Minor	Minor	Closed	Open	Jun 20 - This is considered a VO. The City has submitted VO request and Alstom are to price it out. This should not be a Minor item either at all as it may take months to implement after the VO is approved. VO's should be outside of this process. Apr 10 - closed as per RH Apr 5 - MS - This is not a FA requirement, variation required Apr 3 - Possible letter or variation related to this. ED to confirm. Wald to identify to the City our formal response to this issue no action required.	Camera coverage is required until the train is underway and clearing the station	Wk 25 (16-Jun-2019 to 22-Jun-2019)
City PL (Sys)	CCTV	City Sys PL-53	Blind spots in passenger areas	*Cameras views shall cover the entire passenger area such that there are no blind spots.* Various blind spots identified on platform and concourse areas of Blair & Lyon stations (only stations fully reviewed as of Jan 30). Similar issue expected at other stations.	Minor	Minor	Closed	Open	Apr 3 - City please review and close. NCR 865 and 878 - closed - will be tracked through NCR	A review of all camera views was effected from TOCC on Jan 30th, 2019. A list with identified issues was created to be circulated to T&C. Will include issues related to design views, obstructions, masking, etc but not specifically blind spots.	Wk 14 (31-Mar-2019 to 06-Apr-2019)
City PL (Sys)	TPSS	City Sys PL-65	TPSS exterior camera with IAC testing from TOCC	This testing was stated to be done under the CCTV camera SCADA SIT testing, but this are not found	Minor	Minor	Closed	Open	Apr 9 - CP - OLRTC is installing the IAC this week SN: TPSS is secure by lock. This function is Minor. Completed	This test needs to be provided as an evidence for safety reason	Wk 17 (21-Apr-2019 to 27-Apr-2019)

City PL (Sys)	CBTC	City Sys PL-66	Station power failure mode by ATS SAT & SIT underground	600V AC, ATS SAT & SIT test procedures & testing reports to be provided as an evidence to City. RTG only provided ATS-HOL Blocking underground & St-Laurent station SIT Test procedure for only HOL ATS functionality to HOL maintains their system but RTG has to provide SAT & SIT test for the actual 600V AC power redundancy how ATS is going to function and switch the power points from one to other to not lose the system power for the underground & St-Laurent stations.	Minor	Minor	open	Open	<p>Aug 19 - OLRT confirmed that the two cameras and the GDS P/U are only lost while the ATS is transferring the load >1minute.</p> <p>Aug 12- Test to be demonstrated to City after trial running</p> <p>Jul24- Test to be demonstrated to City on July 26.</p> <p>Jun07 - PG to follow up with ED regarding review of the SAT report</p> <p>Apr 17 - ED is reviewing will provide more info.</p> <p>Apr 11 - Email sent to ED with attachments to review.</p> <p>Apr 10 - SAT will be sent to ED to review. (HB)</p> <p>Apr 3 - Reports submitted may not cover this issue. HB to review.</p> <p>Mar 27 - Report to be submitted. City to review. SNJ believe this was tested with EJV and HOL in the last month.</p>	<p>RTG has not provided Test Procedure & Test Report as evidence;</p> <p>Please, provide evidence of Test Procedure & Test Report document to City. LCP/ Mar. 19th, 2019</p> <p>City to reword statement:</p> <p>ED has requested specific information from Phil Gammon.</p> <p>Jun 24 - RH to escalate to MM and DW</p> <p>Jul 10 - With MM as escalated item</p> <p>aug 16 - OLRT-C ordering additional UPS, Steve Nadon to provide a mitigation validated through a safety or security document.</p>	Wk 28 (07-Jul-2019 to 13-Jul-2019)
City PL (Sys)	Vehicle	City Sys PL-71	Vehicle noise test at the tunnel	With the exception of noise in the tunnel, which was not measured, the results indicate the vehicle complies with he requirements.	Minor	Minor	Closed	Open	<p>Jun20 - JM: We do not comply with the PA and have submitted a waiver to the City, ref: OTT-OLR-58-CRF-0605, Waiver Request 3-9-a-ii - Interior Noise in Tunnel.</p> <p>JM: ORLTC would like to advise that Alstoms acoustic expert will be coming to Ottawa mid March in order to perform the acoustic noise tests to show compliance to the following requirements: 3.9(a) (ii), 80dBA in the Tunnel sections of the right of way, at Vehicle speeds up to 65kph; 3.27(c)(iv)E.</p> <p>Completed</p>		Wk 25 (16-Jun-2019 to 22-Jun-2019)
City PL (Sys)	Vehicle	City Sys PL-73	Event Recording full list	RTG has to provide recording list to prove all the requirements according PA are recorded for the future	Minor	Minor	Open	Open	<p>Jun 11 - JM: Alstom are to provide software to City so that files can be down loaded and validated. EVR recordings for each vehicle is covered by LRV-19.</p> <p>JM: OLRTC does not consider this a major issue. The listing of all Event recorder channels was submitted under ALS-OLRT-02367 in support of SCR-086</p>	<p>Leyla to provide details</p> <p>RH: Agree Minor. Will review SC-086</p> <p>RTG provided RFI-P - ALS - 1030: Event Recorder Data Request from 21st November 2019 - LRV25 to City but the files provided here are not compatible with standard AutoCAD software as suggested by OLRTC. Details on the file types provided and the software required to read them should be discussed by the technical leads. LCP / Mar. 19th, 2019</p>	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Vehicle	City Sys PL-75	Vehicle Type Test Specification-TS23	Type Test Specification-TS23-Vibration-Static Comfort	Minor	Minor	Open	Open	<p>Jun 11 - JM: The Type Test Report - TS23 - Static Vibration Rev B has been submitted via e-Builder SUB-ALS-5190.</p> <p>JM: OLRTC does not consider this a major issue. We would however notify that we are in receipt of Alstom's test report however we have not sent it to the City yet as we seeking additional clarification on a few aspect of the report. Once resolved the report will be submitted to the City.</p>	Jun12 - City to review report	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Vehicle	City Sys PL-76	vehicle windshield test	Cab windshield re-test required	Minor	Minor	Closed	Open	<p>Apr 3 - City to review report.</p> <p>JM UPDATE April 1, 2019: The updated report was provided to the City on March 22, 2019.</p> <p>JM: OLRTC would like to confirm that the cab windshield defroster test was carried out on LRV02 on February 19, 2019. City representatives Eric Dube, Andre Droste and Matt Pletors were present during the test. Alstom are now in the process of collecting the data and submitting the report to OLRTC and the City.</p>	Outstanding -Reviewing Report 25-Mar-19	Wk 16 (14-Apr-2019 to 20-Apr-2019)

City PL (Sys)	Vehicle	City Sys PL-77	Vehicle HVAC system performance	stratification to be retested		Minor	Minor	Closed	Open	Apr 3 - City to review report. JM UPDATE April 1, 2019: The updated report was provided to the City on March 22, 2019. JM: OLRTC would like to confirm that the temperature stratification was retested on LRV02 on the morning of February 20, 2019. City representatives Eric Dube, Andre Drosse and Matt Piotors were present during the test. Alstom are now in the process of collecting the data and submitting the report to OLRTC and the City	Outstanding-- Reviewing Report - 25-Mar-19 City to confirm if we have received report on stratification	
City PL (Sys)	Vehicle	City Sys PL-78	AODA requirements	Vehicle-station clearance (AODA) with AW3 along the all stations		Minor	Minor	Open	Open	Apr 3 - City to review. JM UPDATE April 1, 2019: A meeting was held between the City, Alstom and OLRTC on March 27, 2019. Alstom explained to the City that the air supply system under rapid stop loading to AW3 will result in the airsprings being 14 mm lower than where they should be (this is on top of other stack up tolerances due to rail/wheel wear and manufacturing tolerances). Alstom stated that it will take the system approximately two minutes for the air springs to recover. The City is putting together a position paper on this which they will share with Alstom and OLRTC. JM: OLRTC cannot confirm or deny at this time if there are going to be any issues related to level boarding during stadium events. OLRTC has request Alstom to provide an analysis to show what the maximum deviation from the AODA requirement would be based on the current Air Compressor air consumption design. OLRTC to add letter from Alstom JM Comment: This is already covered in the vehicle deficiency list see item 4.	Outstanding - 25-Mar-19 This will be fixed with replacement of compressor with reservoir	Wk 16 (14-Apr-2019 to 20-Apr-2019)
City PL (Sys)	Vehicle	City Sys PL-81	Tow bar testing	Not provided		Minor	Minor	Closed	Open	JM: OLRTC would like to confirm this test has been successfully carried out by Alstom and submitted to the City under ALS-OLR-58-0-TRA-0312. JM Comment: This is closed.	Outstanding RTG submitted SUB-ALS-4972 recently to City but the test is not completed and also Tow mode of AW0 & AW3 need to be tested according to the PA requirements follow: -Tow mode for AW0 all the alignment with degrade mode -Tow mode for AW3 between two stations with degrade mode LCP / Mar. 19th, 2019	Wk 17 (21-Apr-2019 to 27-Apr-2019)
City PL (Sys)	TPSS	City Sys PL-82	TPSS Failure Mode Test	Not yet tested waiting trial running		Pre-RSA	Pre-RSA	Closed	Open	Jun 19 - SN to coordinate meeting with EJ V to discuss Jun 12 - SN to follow-up. Apr 17 - Testing done. Pending report. Apr 3 - Pending Trial running. SN: Need full fleet of vehicles to test this. After SC, before RSA.	Outstanding. With City for action. City waiting for test procedure. Needs to be correlated with existing load flow calculations. Test report rejected by city. Jun 24 - RH to escalate to MM and DW from SEMP Aug 16 - need EJ,V statement that results indicate results as expected	Wk 33 (11-Aug-2019 to 17-Aug-2019)

City PL (Sys)	System-Wide	City Sys PL-84	EMC Survey Test	To be completed 100pT requirement by NRCan		Minor	Minor	Closed	Open	<p>Jun20 - JM: All reports except Simulation Report have been submitted to the City. The Simulation report is due July 6th.</p> <p>Jun19 - SN to coordinate with JM to discuss with City</p> <p>Jun07 - SEMP is gathering data to support OLR position - (related to NCR-801)</p> <p>May 16 - EMC reports ahs been submitted</p> <p>Apr 17 - Report to be submitted next week.</p> <p>Apr 10 - Testing underway. Report to be submitted.</p> <p>Mar 27 - Required for ESAC. HE will follow up. SN: Need full fleet of vehicles to test this. After SC, before RSA.</p>	<p>NCR reference incorrect</p> <p>This NCR is raised for the EMC Management Plan Document not EMC Survey, this will be kept open until EMC survey will be completed as scheduled after Mar. 22nd, 2019. LCP/ Mar. 19th, 2019</p> <p>Test report rejected.</p> <p>Jun 17 - City expecting to receive updated EMC report</p> <p>Jun 24 - EMC report has been received and under review with the City.</p> <p>Jul 4 - NCR issued 4th July for rejected test report - criticality moved to pre-RSA</p>	Wk 27 (30-Jun-2019 to 06-Jul-2019)
City PL (Sys)		City Sys PL-85	HOL Neutral-Ground bonding test	HOL Neutral-Ground bonding test for all TPSSs with trial running test are outstanding	Pre-RSA	Pre-RSA	Open	Open	<p>SN: Agree, they will be collected during trail running. After SC, before RSA</p>	<p>Outstanding - 25-Mar-19</p> <p>aug 16 1 of 8 outstanding, report on 22nd aug</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)	
City PL (Sys)	CCTV	City Sys PL-86	LRV CCTV live viewing of cameras from Transit Law		Minor	Minor	Open	Open	<p>Aug 12, Edi confirmed that there are approx. 60 cameras of 34C programmed and working, but there are stability issues. More testing required. We do not think it will be ready by RSA. Functionality is available when typing directly to the camera IP.</p> <p>Jun19 - Demonstrated at TOCC. OLR requests City review change from Pre-SC to Pre-RSA.</p> <p>Apr 18- Please see item 87.</p> <p>Apr 10 - Edi to provide status.</p> <p>Hi - part of SCADA build ?</p> <p>Edi: Minor. This function is will be available the third week of March to the TSCC.</p>	<p>Design has not been provided.</p> <p>Jun 24 - City will provide list of outstanding functions</p>	Wk 26 (23-Jun-2019 to 29-Jun-2019)	
City PL (Sys)	TOCC	City Sys PL-89	FACP approach at TOCC - how can ops talk on FTEL and be on a workstation at the same time?		Minor	minor	Open	Open	<p>July 3 - SN to review</p> <p>Apr 17 - City to provide direction this week. Remain on list until VE received then close. ED</p> <p>Apr 3 - City to review letter.</p> <p>WG, from Peter Oakley:</p> <ul style="list-style-type: none"> The Maintenance Controller acknowledges a fire alarm by moving to the fire alarm panel location on the adjacent wall. This is common practice, FAPs are usually situated away from the main control desks. If a fire alarm escalates to stage 2 it would be good practice to nominate a TSCC incident commander usually the Duty Manager to take control of communications with the emergency responders, thus freeing up the desk operators to continue with their duties unhindered. This is stated in the various Fire SOPs. Use of the FTEL is only required if emergency services are called to a stage 2 fire alarm, this would be a relatively rare occurrence. The more common situation of a stage 1 activation does not require the FTEL to be used. Moving the FTEL onto the work desks would impact on the clear working space available to the operators with a piece of kit that would be rarely used. 	<p>Mar 27 - City reviewing letter from RTG</p> <p>April 8 - City issuing VE</p> <p>End of June for 2 additional consoles + new functionality</p> <p>Aug 15 - installation of GUI at TOCC expected before end of Trial Running. Testing and commissioning to occur Pre-RSA</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)	

City PL (Sys)	System-Wide	City Sys PL-91	Intrusion access workstation			Pre-RSA	Pre-RSA	Closed	Open	<p>Aug 19 - the final training session will be delivered on Aug 20.</p> <p>Jun 19 - OLRT requests City to review critically</p> <p>Jun 12 - SN to get update on City card programming</p> <p>Jun 07 - Closed from OLRT view (RTM issue)</p> <p>Apr 10 - Ongoing - linked with item 93.</p> <p>Apr 3 - RTM - Jhanson Controls working with OCT.</p> <p>Mar 27 - Not working. Update required. (DM) (RF) (TF)</p> <p>WG/TS: OLRTC considers this Minor. ERCs have been trained on the iAC workstation. Any of the trained ERCs can manage this workstation.</p>	<p>ED-10 Jun 19: Workstation in place. OCT cards not programmed yet (not possible yet to program the Ottawa city card.</p> <p>invasion access workstation: The City has not seen any documentation on how this will be managed. A large number of City employee credentials need to be entered and managed using this system. RTM (Grant Bailey) asked OCT to be the system admin for this, but this is not documented. If this does indeed occur, then we have not seen any handover process, training, roles etc.</p> <p>The workstation has been delivered to OCT on the 31st of May. However, still missing as of the 3rd of June, the setup of the machine has not been done, the training on this system has not been provided, and most importantly, the system is still not possible to have the Ottawa City cards work on this system.</p> <p>Aug 15 - City requires programming of all city access cards prior to RSA</p>	Wk 33 (11-Aug-2018 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-92	APC approach			Minor	Minor	Open	Open	<p>Mar 27 - Escalate</p> <p>HL: the PMS will be provided as part of SCADA build 2. Minor, post-RSA.</p>	<p>agree to move to Pre-RSA</p> <p>Aug 15 - Lorne Gray to clarify PA compliance</p> <p>aug 16 - daily reports from MIRS, passenger counting in real time and data transfer</p>	Wk 33 (11-Aug-2018 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-114	Mission selection not automatic			Minor	Minor	Open	Open	<p>Jun 20 - JM: Final Testing with City now planned for July 5th.</p> <p>Escalate</p> <p>Apr 10 - JM to provide status update.</p> <p>Apr 3 - JM and ED to discuss.</p> <p>JM UPDATE April 1, 2019: A meeting was held between the City, Alstom and OLRTC on March 28, 2019. The actions from the meeting were as follows:</p> <ol style="list-style-type: none"> 1) City to provide updated story board for passenger announcements 2) Alstom to update PAPIS software once story board is provided. 3) date for retest to be established once software is re-loaded. Alstom predicted end of April 2019 but this is being challenged. <p>JM:OLRTC does not consider this major issue. This is no different than someone setting their own passenger car GPS to their end destination and then following the directions they are provided.</p> <p>JM Comment: This is already covered in the vehicle deficiency list see item 1</p>	<p>April 12 - City understands that automatic mission selection will not be ready for RSA. Training required for operators for temp solution</p>	Wk 25 (16-Jun-2019 to 22-Jun-2019)

City PL (Sys)		City Sys PL-115	Key Management Plan	There is a requirement for a key management system to secure and manage keys		Pre-RSA	Pre-RSA	Closed	Open	<p>July 3 - locks are ready to be changed in all station SN to follow on date</p> <p>Jun12 - SN to follow-up with RTM</p> <p>Mar 27 - TP - will confirm plan is available for submission. Implementation pending AC.</p> <p>RTM:</p> <p>We hired an External Security firm Security Through Safe Design (STSD inc.) for a complete a comprehensive review of draft key management policy provided by RTM. Update the key management policy to ensure that it is applicable to the Confederation Line. Ensure that the AC will align with the Key Systems and develop a protocol for Keycard issuance, lost or stolen Key and Access credentials revoked. We are meeting early next week and only at that point I will be able to share you more info.</p> <p>RTM scope</p>	<p>The Key Management Plan needs to be developed and is critical to SC</p> <p>Currently with RTM to revise based on city comments.</p> <p>Jun 24 - No official plan submitted to city</p> <p>Aug 15 - Final plan under review by city</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-116	Bench Location in St. Laurent Pedestrian Walkway	Bench location just inside walkway from station	Minor	Minor	Closed	Open	<p>Bench is located as per IFC drawings</p>	<p>Bench identified as a poor location. OLRT-C to relocate upon investigation</p>	Wk 17 (21-Apr-2019 to 27-Apr-2019)	
City PL (Sys)	TPSS	City Sys PL-117	Fencing Around TPSS 2,4,6,7 and 8	Fencing is required around TPSS for security	Minor	Minor	Closed	Open	<p>Apr 12 - Rupo - the PA requires us to fence the Hol. assets at the TPSSs however Hol. has not allowed us to undertake this work as they don't want it fenced. We are not required to fence the TPSSs so don't intend to do so. This shouldn't be a deficiency in our view.</p> <p>Apr 10 - Escalate</p> <p>Apr 9 - CP - TVA conduit doesn't required fencing we will be installing signs "Do not enter. Restrictive access"</p> <p>Apr 3 - ED to confirm if still required</p>	<p>Apr 17 - Email received from Richard Holder "We will write to you indicating that we need a credit for the fencing that will not be installed around the HCL switchgear. For the deficiency list, we will identify this as minor."</p> <p>Fencing needed to enclose TPSS 6, 7, and 8. OLRT-C will not support. Letter being drafted</p>	Wk 16 (14-Apr-2019 to 20-Apr-2019)	
City PL (Sys)	TPSS	City Sys PL-118	Lighting around TPSS Parking Stalls	There is a requirement to illuminate the parking stalls for repair and maintenance crews	Minor	Pre-RSA	Closed	Open	<p>July 3 - Refer to TVA 315 City to close item</p> <p>Jun26 - Criticality changed to Pre-RSA.</p> <p>Jun19 - SN to review with FN</p> <p>Jun12 - SN sent screen captures from each TPSS CCTV to City for review.</p> <p>Apr 10 - Safety Certificate will be provided by STSD.</p> <p>Apr 9 - The TPSS has exterior lighting. No further action will be taken.</p> <p>Apr 3 - ED to confirm if still required</p>	<p>This is a safety issue. OLRT-C will not support.</p> <p>Letter being drafted</p> <p>3 TPSS 8, 6, 2 - CCTV night view not functional due to inadequate lighting. City will issue NCR</p> <p>Jun 17 - Security consultant has indicated that work required either through illumination or camera change.</p> <p>Aug 15 - OLRT-C needs to address for security certificate sign off</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)	
City PL (Sys)		City Sys PL-120	Coroner's Protocol	OFS are awaiting confirmation for access to the onboard train camera for the Coroner	Minor	Minor	Closed	Open	<p>This is not a deficiency, cameras are viewable at the MSF</p>	<p>There is no confirmation of the accessibility of this video</p>	Wk 17 (21-Apr-2019 to 27-Apr-2019)	
City PL (Sys)	System-Wide	City Sys PL-122	Incident Command Panels	The ICPs are not protected from the elements	Minor	Minor	Closed	Open	<p>Jun12 - SN to follow-up to Bill Coleman.</p> <p>Apr 10 - CP to follow up. City states protection not implemented.</p> <p>Apr 8 - ICP-VE-219 has been implemented.</p> <p>Apr 3 - Variation - ED to discuss with CP</p>	<p>ICFs need to be sealed and/or protected from the elements in above grade stations to reduce the risk of failure. The Design is not in compliance with the VE - when panel is open it needs protection from weather</p>	Wk 15 (07-Apr-2019 to 13-Apr-2019)	
City PL (Sys)		City Sys PL-144	NFPA 130 Compliance to all project elements as accepted by the AHJ OFS	OFS as AHJ has to accept various parts project to be in compliance to NFPA 130 i.e. FTTEL's TVS - FSP's etc. Expectation is a letter will be provided from RTG	Pre-RSA	Pre-RSA	Open	open	<p>July 3 - Cesar and Florica working on letters</p> <p>Jun19 - OFS letter will close.</p> <p>Apr 17 - RF to review. ED to confirm and close.</p> <p>Apr 10 - City to provide further info. (FN) NFPA Matrix was issued to the City.</p> <p>WG: OFS approval will be obtained. Agreed required for SC</p>	<p>All NFPA 130 issues to be addressed before closed</p> <p>Aug 15 - OFS letter 5 July 2019 stating conditional approval of Fire Safety Plans based on NFPA 130 requirements being addressed. Conditions need to be addressed prior to RSA (all outstanding M and E work identified by BCS)</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)	

City PL (Sys)	System-Wide	City Sys PL-155	No alarm indication when there is a failure of switch heater status	SCADA monitors RUN/OFF and NORMAL ALARM only for switch heaters. An alarm means there is snow in front of sensor. The only way operations will know when a switch heater is not functioning (eg blown fuse) is when there is adequate snow to trigger alarm but heater does not change to "RUN" shortly after. Need to actively monitor heaters for issues so they can be fixed before it snows.	Minor	Minor	Closed	Open	<p>Jun 21 - Exercise the heaters on a maintenance schedule as those blowers have a manual override command from SCADA. If there are issues with the heaters they will be spotted as they will fail to RUN.</p> <p>Jun 12 - SN to confirm status.</p> <p>Apr 10 - HB to review.</p> <p>Mar 27 - City to provide reference SN: per approved design</p>	<p>"Failure of switch heaters status to correspond to command status shall cause an alarm indication."</p> <p>Design doesn't meet PA. See reference "PA Schedule 15-2 Part 4, 5.3(g) Switch Machines (R)(D)"</p>	Wk 25 (16-Jun-2019 to 22-Jun-2019)
City PL (Sys)	System-Wide	City Sys PL-156	EOMA-HOL Agreement Amendment		Pre-RSA	Pre-RSA	Open	Open	<p>July 3 - TPPS testing needs to be completed</p> <p>Jun 07 - SN to review</p> <p>Apr 9 - CP - to review the letter provided by HOL</p>	<p>10 June ED: Have not seen any progress.</p> <p>HOL have written to Cesar a couple of weeks ago with a proposed amendment to the EOMA. I've attached the MSF ECMA, there is one for each Station + MSF. The original EOMA were signed by RTG, CLRTC and City. This was normally communicated directly between HOL and CLRTC, but HOL have told they are not getting any traction right now on this, and must be signed asap.</p> <p>Aug 15 - No date provided by CLRTC</p> <p>aug 16 - neutral grounding and bonding test reports to be finalised with HOL.</p> <p>administration of final letters to be checked by LG</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	OCS	City Sys PL-160	Pantograph interaction with OCS at zone 5	Pantograph out of the carbon limit between 11+590 and 11+610 & 31+060 and 31+080 at MSF Pantograph hit the insulation at YODS-19 & YODS-14 & YODS-12	Minor	Minor	Closed	open	<p>Jun 12 - All correction completed. Report to be updated by SN.</p> <p>SN: system functions. Minor.</p> <p>Closed - deficiencies have been corrected</p>	<p>Jun 10 - These deficiencies are captured in Punch List. But there are no confirmations made for the mitigations of issues in the list for closure.</p>	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	System-Wide	City Sys PL-174	Energy Target Letter	Documentation not submitted	Pre-RSA	Pre-RSA	Open	open	<p>April 10 - Tracked on Non-Technical Compliance Matrix reference ID 88112</p> <p>The city has agreed that the energy modelling (energy matters) can be treated as a minor deficiency at S/C and resolved before RSAD. (Advised by PL)</p>	<p>Aug 15 - CLRTC to provide a date</p> <p>aug 16 - mainline draft letter required for RSA; ref considered minor</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-251	ATS - Anti-bunching	Anti-bunching non-functional at STL, CYR, TRE	Minor	Minor	Closed	Open	<p>July 09 - Closed. Thales 5.05 release on July 9, 2019</p> <p>Jun 26 - Release date July 9</p> <p>Jun 07 - See release 5.05 (when ready)</p>	<p>Thales is aware and working to remedy prec</p> <p>10 Jul - Thales has instructed controllers to disable the function permanently. City needs a long term solution</p>	Wk 28 (07-Jul-2019 to 13-Jul-2019)
City PL (Sys)	SCADA	City Sys PL-272	SCADA systems labelling	Labels are not consistent with station acronyms/ abbreviations across labels SCADA, ATS, CCTV manuals.	Minor	Minor	Open	Open	<p>Escalate</p> <p>Apr 10 - Further discussion RH/Rupe.</p>	<p>July 16 - Agree to move to Pre-RSA (MM: Need to find solution before RSA)</p> <p>Downtown east and downtown west label configuration as per original design... this applies to 5 stations. Trus for Wilowglen, cameras. CLRTC will confirm scope of issues and determine next steps.</p>	Wk 16 (14-Apr-2019 to 20-Apr-2019)
City PL (Sys)	System-Wide	City Sys PL-285	Missing Station Microphone & Dual input	There are no station microphones, as described in PA. Only fire alarm panel phone available in Incident Control Panel (ICP) cabinet. PA calls for both: Schedule 15-2, Part 4, 6.3(c)(vii) "The local station PA systems shall accept an additional mixed input from a secondary audio channel. This secondary system shall be muted or attenuated on arrival and departure of the trains or when safety critical public announcements are made."	Minor	Minor	Open	Open			Wk 13 (24-Mar-2019 to 30-Mar-2019)
City PL (Sys)	Parliament	City Sys PL-288	Wall mount speakers ceiling mounted Parliament	PA speakers at Parliament West entrance down to concourse are not ceiling mount units but rather wall mount units, yet are installed through a square cutout of ceiling panels. The speakers and cutouts don't align properly. This is bad workmanship and is unacceptable.	Minor	Minor	Open	Open		<p>Aug 13 - all ceiling panels cleaned up except 2 above escalator, checked Aug 13/19</p>	Wk 33 (11-Aug-2019 to 17-Aug-2019)

City PL (Sys)	CBTC	City Sys PL-289	Thales TimeTable - Handover position to work with scheduled routes.	Timetable Compiler -has issues with Entry and Exit routes following timetable functions. Entry routes don't allow the train to stopping at connector tunnel to change Operator Exit routes attempt to skip the Operator transfer point in the connector tunnel, and move switches near PHND 11 minutes before needed. This is due to CLRT-C changes to the handover process as a result of the MSF not being available for March RSA Date.	Minor	minor	Closed	Open	July09 - Closed. Thales 5.05 release on July 8, 2019 Jun26 - Release date July 8 Jun07 - see release 5.05 Final fix will be implemented with Thales software update 5.04 due 10/5/19. Notwithstanding that the City have been provided with a workaround that is currently being used by the City. As such reclassify as minor	10 Jul - need demonstration that 5.05 has fixed Aug 15 - Not resolved. All the entry lines for departures should start at P Exit. Currently we do not have reverse running entry routes programmed from P Exit. The consequence of this is unable to enter on reverse routes in automatic and are proceeding in manual, leading to inefficient launch procedures. Aug 16 - agreed minor	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-290	Thales TimeTable Compiler entry and exit trips.	Timetable Compiler - Entry routes direct LRV to stop at all out of service station during 'deadhead' run to first service platform. Exit routes direct LRV to stop at out of service platforms.	Minor	Minor	Closed	Open	July09 - Closed. Thales 5.05 release on July 8, 2019 Jun26 - Release date July 8 Jun07 - see release 5.05 Final fix will be implemented with Thales software update 5.04 due 10/5/19. Notwithstanding that the City have been provided with a workaround that is currently being used by the City. As such reclassify as minor	This needs to be resolved for SC 10 Jul - need demonstration that 5.05 has fixed Aug 15 - Still outstanding, not addressed in 5.05.02 Aug 16 - MS to arrange meeting between Glen and Thales	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-299	Delayed Departure from platform.	LRV departs platform late - delayed past depart schedule time (Dwell expiry) Automatic Door operation - Train door closure completed 2 seconds after depart time - delay departure by 3s, until system enables the depart button. Delay after Depart and DRS press. After the ERO presses the depart button "DRS" LRV delays for a further 3 seconds. 5-8 second delay in Auto doors. 3s with doors closed manually early. Requirement is zero (depart at dwell expiry) System	Minor	minor	Closed	Open	Jul26. This is how it works. Not a deficiency Jun26 - SN to forward communication from Thales to RH/ED. Criticality changed to Pre-RSA. Jun07 - SN to review	Count down timer is erratic and not functioning properly Aug 15 - The count down timer has the following deficiencies: - Timer does not reflect physical time (20s on timer is not 20s in actual time) - Timer always starts at 20s regardless of programmed dwell time - Recently issued ERO Train Operator Guide is inconsistent with how the system is programmed Consequence: Training and implementation is inconsistent and incomplete leading to delayed departure from stations.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-303	Platform intrusion Detection Lights Stay On - Bayview	Platform intrusion detection system installed on Trillium Line platform at Bayview station will turn on lights if intrusion is detected when station is "Closed" in SCADA; but they will not turn off until next scheduled "off" trigger by lighting system. It seems this would be around sunrise time but not confirmed. If intrusion is detected early in night, lights will stay on 6-7 hours if this is correct. Surprise factor of security lights is lost if another intrusion is detected that same night.	Minor	Minor	Open	Open			Wk 20 (12-May-2019 to 18-May-2019)
City PL (Sys)	CBTC	City Sys PL-309	Single car LRV alignment at terminus	Single car LRV aligns at far point of platform at terminus station. This causes problems with ATS schedule regulation as ATS does not have function to manage different travel times for single and dual cars. Thus always arrived and departs 'late' all day on weekend. Also caused problems for passenger flow in station as passengers needs to change platform ends between alternating arrivals.	Minor	minor	Closed	Open	Jun26 - Release date July 8 Jun07 - see release 5.05 Jun07 - SN to review	10 Jul - Issue remains unresolved. Possible options are to adjust stopping position, or develop regulation functions for single car consists separate from double car lengths. Aug 15 - Not addressed in 5.05.02 city to clarify that Revenue Service for weekends only uses 2 car consists.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-310	Rail Controller cannot access zone.	The Area of control configuration on the ATS workstation does not match with ERC task and required ERC response to failures. The ATS locks out a second controller from assisting to recover service while first controller is tasked with primary failure. This extends the service impact time, and overloads ERC tasking to a single ERC while others are idle.	Minor	minor	Open	Open	Jun26 - Release date July 8 Jun07 - see release 5.05 Jun07 - SN to review	Aug 15 - Not addressed in 05.05.02 no confirmation from CLRT-C that this function will be programmed from 8 Aug 16 -Thales will not be providing this function. - RH to discuss with CC.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-311	NCO Clearing at TUN	if an LRV VORC faults at TUN, the system will place a non-communicating-occupancy (NCO) to protect the area from incoming trains. An NCO located west of TUN-E will prevent LRV to enter the TUN-E platform. Temporary workaround is in effect but it relies on remote manual intervention which is a reduced level of safety for ongoing operation.	Pre-RSA	Pre-RSA	Closed	Open	Jun26 - Release date July 8 Jun07 - see release 5.05 Jun07 - SN to review	No evidence provided that this will be resolved by 5.05 Aug 15 - Not address in 5.05.02 city needs confirmation of timing to fix. Consequence: Operational delays occurring Aug 15 - ERC's need training for ZC1 reset. Thales fix in next SW build	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-312	CBTC ZC halts when capacity of trains reached.	During throughput test (April), all SRS's shutdown, then ZC3 halted twice. The test was stacking LRVs at HUR station for routing test. Investigation and resolution needed. And demonstration of headway and vehicle throughput.	Minor	Minor	Closed	Open	Jun26 - Release date July 8 Jun07 - see release 5.05 Jun07 - SN to review	10-Jul - Need test repeated in the field to verify stable ZC operation. Aug 15 - SC release notes for 5.05.02 do not indicate this has been addressed. A test is required to demonstrate Aug 16th - Glen M to discuss with Thales	Wk 33 (11-Aug-2019 to 17-Aug-2019)

City PL (Sys)	CBTC	City Sys PL-314	Latent Train location image on ERC Display	When VOBC fails and loses communication with the ATS, the ATS retains the last known position of the vehicle on the ATS display to the Controller. This persists after the train is manually removed. There is no facility to remove or clear this ghost image. This shows a false train location information to the ERC. Other ERCs in the control area may use the false information in decision making process. - need recovery process and timeout to clear incorrect data.	Minor	Minor	Open	Open			Wk 20 (12-May-2019 to 18-May-2019)
City PL (Sys)	CBTC	City Sys PL-315	Incomplete implementation and testing of ATS regulation functions.	The CBTC ATS system has implemented and provided schedule regulation recovery functions. "service recovery", "peak limiting" (energy), and coordinated departure. These functions are delivered in the field, but are not configured, tested, nor are controllers provided with up to date training and information on their use.	Minor	Minor	Open	Open	Jun07 - MS to respond regarding Thales	Aug 15 - Need demonstration of regulation functions through the submission of a test procedure and implementation of a test with results.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-318	ATS Reports and datalog query function missing.	ATS Performance reporting function is not functioning.	Minor	minor	Closed	Open	July08 - Closed. Thales 5.05 release on July 8, 2019 Jun26 - Release date July 8 Jun07 - see release 5.05 Jun07 - SN to review	10 Jul - need demonstration that 5.05 has fixed - not included in release notes Aug 15 - Implementation of agreed upon design is incomplete. Performance reports are not available at TOCC Aug 16 - Cryeta reports being provided	Wk 33 (11-Aug-2019 to 17-Aug-2019)
CCL letter	OCS	City Sys PL-323	CCL-Segment 2-Bonding & Grounding & Tunnel Embedded Requirements (REJ-OLR-56-2-CCL-0164-0)	The letter is confirmed with exception of the following statement by RTGEJV: "The tunnel pullbox side cover fire barrier intumescent material (3M brand face) needs to be installed facing the inside of the pullbox (against the concrete upstand wall) to function correctly. The 28 gauge galvanized steel side should be on the outside, and is to be sandwiched between pullbox cover." The above issue should be completed and then provided in the final CCL letter.	Pre-RSA	Pre-RSA	Open	Open	July 09 - OLRT requests criticality change to Pre-RSA July 3 - SN to review with FN New item (2019-05-31) - to be reviewed	Pre-RSA agreed 10 Jul 16 Aug - OLRT-c will provide as letter as aprt of ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
CCL letter	OCS	City Sys PL-324	CCL confirmation letter of OCS System (REJ-OLR-54-0-CCL-0131_0)	July 16 - SN to review with Kai then provide feedback to RH CCL confirmation letter of OCS System is signed by RTGEJV with the exception of following: * All deficiencies as noted on the TPSS and OCS deficiency punch list, in particular the items noted below: -Some OCS supports under overpasses and bridge structures need to be grounded. -OCS sections in the underground tunnel where there are removable sections will need to be adjusted to ensure better alignment over the gapped section. Once construction work has been completed a final site review will be carried out to confirm general conformity with the drawings and specifications prepared by RTGE Joint Venture." The above safety related items need to be completed and confirmed by the letter.	Pre-RSA	Pre-RSA	Open	Open	Aug 12, OLRT to provide closure details of deficiencies to EJV for close-out of CCL. July 09 - OLRT requests criticality change to Pre-RSA July 3 - SN to review with FN New item (2019-05-31) - to be reviewed	10 Jul -RH requested update from Florida 16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
Communications SCADA for TPSSs	TPSS	City Sys PL-325	Construction Conformance Letter - Communications Systems - TPSS 1 to TPSS9 (REJ-OLR-53-1-CCL-0221_1 REJ-OLR-53-1-CCL-0222_1 REJ-OLR-53-3-CCL-0223_1 REJ-OLR-53-3-CCL-0224_1 REJ-OLR-53-4-CCL-0225_1 REJ-OLR-53-4-CCL-0226_1 REJ-OLR-53-5-CCL-0227_1 REJ-OLR-53-5-CCL-0228_1)	* All deficiencies as noted on the TPSS and OCS deficiency punch list, in particular the items noted below:	Pre-RSA	Pre-RSA	Open	Open	Aug 12, OLRT to provide closure details of deficiencies to EJV for close-out of CCL. New item (2019-05-31) - to be reviewed		Wk 33 (11-Aug-2019 to 17-Aug-2019)
DCL letter	OCS	City Sys PL-326	DCL design confirmation letter of OCS Mainline Design (REJ-OLR-54-0-DCL-0233_0)	-Some OCS supports under overpasses and bridge	Pre-RSA	Pre-RSA	Open	Open	Aug 12, OLRT to provide closure details of deficiencies to EJV for close-out of DCL. New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)

DCL letter	TPSS	City Sys PL-327	DCL design confirmation letter of TPSS's Communication Systems (REJ-OLR-53-1-DCL-0235_1 REJ-OLR-53-1-DCL-0236_1 REJ-OLR-53-3-DCL-0237_1 REJ-OLR-53-4-DCL-0238_1 REJ-OLR-53-4-DCL-0239_1 REJ-OLR-53-4-DCL-0240_1 REJ-OLR-53-5-DCL-0241_1 REJ-OLR-53-5-DCL-0242_1)	-OCS sections in the underground tunnel where the	Pre-RSA	Pre-RSA	Open	Open	Aug 12, OLRT to provide closure details of deficiencies to EJV for close-out of DCL. New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
DCL & CCL & ICL	TPSS	City Sys PL-328	DCL design & CCL & ICL confirmation letter of TPSS's Power Load Capacity for system wide	Once construction work has been completed a final	Pre-RSA	Pre-RSA	Open	Open	Aug 12, OLRT to provide closure details of deficiencies to EJV for close-out. New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
ICL	System-Wide	City Sys PL-329	ICL letters for EMC/EMI		Pre-RSA	Pre-RSA	Open	Open	New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
ICL	System-Wide	City Sys PL-330	ICL letters for Corrosion	The above safety related items need to be completed	Pre-RSA	Pre-RSA	Open	Open	New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-331	14 CCL letters for Communications & Signals are missing. Safety integrity compliance verification. (REJ-OLR-53-1-CCL-0229 R1 to REJ-OLR-53-1-CCL-0242 R1)	Non-compliant: no Safety integrity level (SIL) 2 compliance verification in accordance with IEC 61508.	Pre-RSA	Pre-RSA	Open	Open	Aug 12, Review with Florida New item (2019-05-31) - to be reviewed	16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	System-Wide	City Sys PL-322	ICL Revisions	ICL need to be resigned upon review of most up to date SIT reports	Pre-RSA	Pre-RSA	Open	Open	Aug 12, FN to respond July 09 - OLRT requests criticality change to Pre-RSA (documentation only) July 3 - SN to review with FN	16 Aug - Letter to be provided with ESAC Jun07 - City to review with SEMP 16 Aug - Letter to be provided with ESAC	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	TPSS	City Sys PL-333	Fencing Around TPSS5	Fencing around TPSS5 / Hurdman to be grounded and bounded with grounding grid of HOL feeder switch according to OESC standard & HOL standard (2.4m clearance requirement/including with EAS confirmation).	Minor	minor	Open	Open	Aug 12, HOL working with OLRT to complete July 3 SN to follow up with Sub June 19-SN arranging for grounding completion Jun07 - SN to review	16 Aug - HOL undertaking work week of wk of 19th	Wk 27 (30-Jun-2019 to 06-Jul-2019)
City PL (Sys)	TPSS	City Sys PL-334	Fencing around HOL feeder switch at TPSS7	Fencing around the HOL feeder switch at TPSS7 / Cynville to be grounded and bounded with grounding grid of HOL feeder switch according to OESC standard & HOL (2.4m clearance requirement /including with EAS confirmation).	Minor	minor	Open	Open	Aug 12, HOL working with OLRT to complete City to change criticality to PRE-RSA June 19-SN arranging for grounding completion Jun07 - SN to review	16 Aug - HOL undertaking work week of wk of 19th	Wk 27 (30-Jun-2019 to 06-Jul-2019)
City PL (Sys)	System-Wide	City Sys PL-336	IFC Cameras not listed in Indigo Vision (CCTV Workstation BCC (various reviews))	Various cameras listed in Comm IFCs are missing from list in Indigo Vision (CCTV Workstation); Parliament CAM-91 & CAM-93, Pimisi CAM-33, Tunney's CAM-35, CAM-37, CAM-42, CAM-43 & CAM-72.	Minor	minor	Closed	Open	July 3 - With city to confirm Jun27 - Crossley - Cameras have been moved, names changed, etc. is captured in redlines. Jun 19 - Should be resolved with the red-lines. SN to follow-up with FN. Jun07 - SN to review	16 Aug - P J and MY to verify	Wk 27 (30-Jun-2019 to 06-Jul-2019)
City PL (Sys)	System-Wide	City Sys PL-337	PTZ uOttawa CAM-31 Missing Masking (CCTV Workstation BCC)	University of Ottawa residence building and DND Building windows not masked when using PTZ CAM-31 at uOttawa to zoom in.	Minor	minor	Closed	Open	Jun12 - SN contacted Tyco for masking Jun07 - SN to review. Request full list of masking issues.	16 Aug - P J and MY to verify	Wk 23 (02-Jun-2019 to 08-Jun-2019)
City PL (Sys)	System-Wide	City Sys PL-338	PTZ presets at Parliament station are not setup. (CCTV Workstation BCC)	Presets were missing from following Parliament PTZs during last review: CAM-02, CAM-13, CAM-18 & CAM-19	Minor	minor	Closed	Open	Jun26 - Crossley - All PTZs with alarms associated with them are complete Jun07 - SN to review	Jul 4 - These 4 cameras at Parliament do not have the required presets. City criticality moved to pre RSA	Wk 27 (30-Jun-2019 to 06-Jul-2019)
City PL (Sys)	Bayview	City Sys PL-342	Comms	Info phone conduits and associated box exposed in the FPZ upper level. People will sit on the box.	Minor	Minor	Closed	Open	install sticker "do not stand or sit on box" Transfer Ba36 to Systems	Prohibition decals do not attain 100% compliance and if this is an avoidable high risk safety and / or possible electrical hazard the decal should be secondary to an engineered control. is this a transformer step down box containing high voltage? Such boxes usually aren't at public access.	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Bayview	City Sys PL-343	Commissioning Manuals	Commissioning manuals	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer Ba135 to Systems	Subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Services. 16 Aug - CM delivered on or before 26 Aug	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Pimisi	City Sys PL-346	Station elements miscellaneous	Commissioning Manuals	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer P108 to Systems	Subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Services.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Lyon	City Sys PL-347		Ephones have missing screws on the WB platform	Minor	Minor	Closed	open	Transfer LY-129 to Systems	Screws noted as missing at certain locations. Confirmation required if Systems will address or if site crews will address	Wk 33 (11-Aug-2019 to 17-Aug-2019)

City PL (Sys)		City Sys PL-349		UGS CAT switches need to be relocated to be easily accessible	Minor	minor	Closed	Open	Jun27 - Crossover - All NETWORK switches we have are easily accessible from the front of the comms rack. Transfer R/D-188 to Systems	New item Aug 13 - Back of the house item, not checked aug 16 - RH to check if this is related to TVMs	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Rideau		Switch								
City PL (Sys)	uOttawa	City Sys PL-350		Entrance exposed wire top of people door. (Door monitoring not installed, Same with door north and of westbound platform)	Minor	Minor	Closed	Open	Transfer u082 to Systems	Agree to transfer and close when its confirmed System is tracking this. Wk17	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	uOttawa	City Sys PL-351		Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer u0141 to Systems	Aug 13 - not completed	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)		City Sys PL-352		Commissioning Manuals						City review of Manuals in progress. This remains Pre-RSA	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Lees		Emergency egress door monitoring	Detector and wire not connected (for SCADA) - Paid zone door, next to Fare gates	Minor	Minor	Open	Open	OLRT considers this minor - if PSOS it was requested to be removed by BCS due to common alarm sound. Also not SCADA, City to assess. Transfer Lees037 to SYSTEMS	Agree to transfer and close when its confirmed System is tracking this. Changed to Minor Aug 13 - not completed	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Lees	City Sys PL-353		Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer Lees127 to Systems	City review of Manuals in progress. This remains Pre-RSA	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Lees	City Sys PL-356		Subject to Schedule 10 review process, Manuals shall be submitted and accepted by the City prior to Revenue Service.	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer Hu208 to Systems		Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Hurdman		Commissioning Manuals								Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Tremblay	City Sys PL-357		Paid Zone [02-100]	Minor	Minor	Closed	Open	SCADA wiring connection to maintenance access door (02-100) incomplete Transfer TR25 to Systems	Transfer to Systems Aug 12 - work not completed by inspection Aug 12/19	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Tremblay	City Sys PL-360		Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	Pre-RSA	Pre-RSA	open	Open	June 10 - The next release date is RSA, SN Transfer TR125 to Systems	City to review after submission of Commissioning Manuals	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-361		Commissioning					Transfer SL50 to Systems		
City PL (Sys)			Conduits & Wires	EB - Fare gates - Cable hanging by people door.	Minor	Pre-RSA	Closed	Open		Transfer to Systems Aug 12 - work not completed Aug 12/19 Aug 16 - SN to provide temporary mitigation plan and date for permanent installation	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-362		Cabinet is designed to be weatherealed and should be sealed from the exterior environment. Floor baseplate loose, missing bolts, conduit and openings should be sealed	Pre-RSA	Pre-RSA	open	Open	Transfer SL134 to Systems		Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-363		BRT Kiosk (Comm. Cabinet)						RH to check	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-364		BRT Kiosk (Comm. Cabinet)					Transfer SL135 to Systems		Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-364		BRT Kiosk (Comm. Cabinet)					Transfer SL137 to Systems	RH to check	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-365		BRT Kiosk (Comm. Cabinet)					Transfer SL137 to Systems	16 Aug - SN to submit	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-365		Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer SL151 to Systems	City to review after submission of Commissioning Manuals	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Cynville	City Sys PL-367		Entrance Lobby [01-102]	Minor	Minor	open	Open	Transfer CY30 to Systems	Aug 12 - Transfer to Systems / West side, work not completed Aug 12/19	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Cynville	City Sys PL-371		Commissioning manuals , subject to Schedule 10 review process shall be submitted and accepted by the City prior to Revenue Service	Pre-RSA	Pre-RSA	Open	Open	June 10 - The next release date is RSA, SN Transfer CY157 to Systems	City to review after submission of Commissioning Manuals	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Blair	City Sys PL-373		CCTV	minor	minor	Closed	Open	Signage installed as per IFC. Transfer BL120 to Systems	Transfer to Systems 16 Aug	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Blair	City Sys PL-374		CCTV	Minor	minor	Closed	Open	Transfer BL121 to Systems	Transfer to Systems Aug 12 - Cameras changed to fixed but inconsistent coverage either single camera of cameras view wrong direction aug 12 / 19	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Blair	City Sys PL-375		CCTV	minor	minor	Closed	Open	Transfer BL122 to Systems	Transfer to Systems	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Blair	City Sys PL-376		CCTV							Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Blair	City Sys PL-377		Comms	minor	minor	Closed	Open	Can be found in the Red-line Drawings. Transfer BL124 to Systems	Red-line drawings to be submitted to City	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Blair	City Sys PL-377		Comms	minor	minor	Closed	Open	The routing of conduit/data cable for OC PIDs should be confirmed Transfer BL125 to Systems	Transfer to Systems	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Blair	City Sys PL-380		Commissioning Manuals	Pre-RSA	Pre-RSA	Closed	Open	June 10 - The next release date is RSA, SN Transfer BL197 to Systems	City to review after submission of Commissioning Manuals	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	St Laurent	City Sys PL-381		Call box	Minor	minor	Closed	Open	Transfer SW118 to Systems	This is the tunnel at the west end of the south platform	Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)	Tunney	City Sys PL-388		Commissioning	Pre-RSA	Pre-RSA	open	Open	June 10 - The next release date is RSA, SN Transfer Tu137 to Systems	City to review after submission of Commissioning Manuals	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-390		CBTC Zone Control Halt - Failure	Minor	Minor	Closed	Open	Jun26 - SN to review	10 July - need to demonstrate with full fleet	Wk 28 (07-Jul-2019 to 13-Jul-2019)

City PL (Sys)		City Sys PL-391	CBTC ATS SRS Halt - Failure	SRS's shutdown then restarted. - throughput testing failure - 5.04.00 dual SRS fail - 4 hour service loss - Other events during field operations	Minor	Minor	Closed	Open	Jun26 - SN to review		10 July - need to demonstrate with full fleet	Wk 28 (07-Jul-2019 to 13-Jul-2019)
City PL (Sys)	CBTC	City Sys PL-392	CBTC ATS Workstation/Client Halt - Failure	TOCC ERC workstation 2 halts/fails several times per week. WS3 failed June 18, and other times. Need to be resolved	Minor	Minor	Closed	Open	Jun26 - SN to review			Wk 24 (09-Jun-2019 to 15-Jun-2019)
City PL (Sys)		City Sys PL-393	SCADA Power status on ATS and ATS hold train before entering failed segment.	Power status on ATS mimic: Has not displayed correctly since 5.04 installed - Function to hold train prior to entry to non-power zone is not active.	Minor	Minor	Closed	Open	Jun26 - SN to review		10 July - listed on OR recommendation list 15 Aug - Still needs to be tested	Wk 28 (07-Jul-2019 to 13-Jul-2019)
City PL (Sys)		City Sys PL-394	ATO Overspeed EB, when on short LMA	Periodic clusters of train emergency brake applications due to obstructed motion when trains stop in close proximity to each other (coupled trains)	Minor	minor	Closed	Open	Jun26 - SN to review		10 July - not included in Release Notes 15 Aug - Testing demonstration required to confirm that this has been resolved. 16 Aug - Glen M to discuss with Thales	Wk 28 (07-Jul-2019 to 13-Jul-2019)
City PL (Sys)		City Sys PL-395	Test Operation - Headway	Demonstrate that CBTC system can deliver required minimum headway. 2.1 minute scenario 2 and 105s (ex turnback) scenario 3.	Minor	minor	Closed	Open	SIT report was submitted July 26 Jun26 - MS to Escalate to MM		July 16 - switch done, the 2 min ongoing. Report needed (MM: easy enough to close). 10 July 2.1 min headway for 2030 - this could be demonstrated now by lifting restriction on 4 LRVs in tunnel. This test will be challenging during service. If the test fails, re-work may be significant scenario 3 - 105 seconds without turnbacks - as above, ZC halted upon demonstration attempt in April	Wk 31 (28-Jul-2019 to 03-Aug-2019)
City PL (Sys)		City Sys PL-400	CBTC - TSR Command	TSR command takes a long time (>20s) to implement TSR from TOCC. This is impacting operation.	Minor	minor	Open	Open			10 Jul - New issue in 5.05. details reported to Thales site team. 15 Aug - Consequence is full system hold for 20 minutes required for system wide TSR Aug 16 - ERCs have updated their approach, Glen M to confirm	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	CBTC	City Sys PL-402							July 16 - SN: OVRT to close this week			Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Vehicle	City Sys PL-403	PIS-SCADA-CBTC integration of vehicle arrival times into PAFIDS systems at stations outstanding	Vehicle arrive time announcements at stations (both visual PIDS and audible PA) integration not completed and SIT Test not formally conducted.	Pre-RSA	Pre-RSA	Closed	Open	SIT submitted August 20. SIT Test completed on July 17, 2019, report in progress		15 Aug - PA announcements are not functioning consistently. PID - TG Baker still configuring system, OVRT-C needs to provide city with clear details of what the final configuration will look like (train departing in 1 minute) FDR required 16 Aug - RH to review PID	Wk 33 (11-Aug-2019 to 17-Aug-2019)
City PL (Sys)	Vehicle	City Sys PL-403	TPSS Camera Issues	Systematic issues affecting over 50% of cameras includes inability to focus at night and lack of dynamic range resulting in light fixture being overexposed over door area (white blob) and pitch black on sides of substations. 2 cameras (TPSS 6 & 7) are showing a much wider view due to distance resulting in loss of detail on TPSS and overexposure of light.	Minor	Minor	Open	Open				Wk 29 (14-Jul-2019 to 20-Jul-2019)
City PL (Sys)	MSF	City Sys PL-404	Incorrect Storage Shed Signage	The workstation screens in YCC show twelve (12) tracks in the Belfast train storage shed numbered from 23 to 34. However, the signage above the entranceway to the storage shed is labelled as SL1, SL2, ... SL6. Confusion between field personnel and YCC could lead to incorrect routing of train	Minor	minor	Open	Open				Wk 29 (14-Jul-2019 to 20-Jul-2019)
Trial Running Observation		City Sys PL-406	CCTV work station in the SCU area, display is too small	Special Constables don't see alarms come in and can't see the light footage due to the size of the screen They have to scroll around the area to find the new alarms coming through and to view the footage	Minor		Closed	Open			This is not a deficiency. A variant is required if the city want this changed.	Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-407	Rideau Station - East William St. entrance second door	East William St. entrance second door from the South does not self latch; Accessibility buttons do not work; card readers does not work.	Minor		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-408	St. Laurent Station - Door #ST02-100/CR11	Lower entrance to mall door #ST02-100C/CR11 - handle is broken.	Minor		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-409	St. Laurent Station - Door #ST02-100/JCR11	Lower entrance to mall door #ST02-100J/CR11 - does not open.	Minor		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-410	St. Laurent Station - Door #ST02-100K/CR11	Lower entrance to mall door #ST02-100K/CR11 - does not open.	Minor		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-411	St. Laurent Station - MUP Access Doors	MUP access doors at the East end of the WB platform do not latch	Pre-RSA		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-412	Blair Station - West entrance door	West most entrance door to East lower concourse does not latch.	Pre-RSA		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation		City Sys PL-413	Lyon Station - Blind spot	Area behind water fountain - Blind spot getting out of elevator 3 concourse level and turning right (east) see photo	Minor		Open	Open				Wk 33 (11-Aug-2019 to 17-Aug-2019)

Trial Running Observation	City Sys PL-414	Tunney's - Emergency Intercom 4	ETEL-04 Eastbound platform West end - No CCTV	Minor		Closed	Open	ETEL-04 at Tunney's has been tested and working.		Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-415	Tunney's - Emergency Intercom 12	BHFI-03 Elevator 3 Westbound Platform - Help is on the way button does not flash as required.	Minor		Open	Open			Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-416	Tunney's - MPU Access Door	MUP Access door on west end of South platform does not latch	Pre-RSA		Open	Open			Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-417	Tunney's - South Platform Door	Door 'C' at the middle of the South platform does not latch	Pre-RSA		Open	Open			Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-418	Bayview - CCTV	ETEL-05 Eastbound Platform DWA - CCTV failed to display on indigo vision and had to be manually brought over	Minor		Closed	Open	ETEL-05 at Bayview was tested and is working		Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-419	Hurdman - Egress Door near East Entrance	Egress door near east entrance is open, no need for card access to be used. Card reader has green light on.	Pre-RSA		Open	Open			Wk 33 (11-Aug-2019 to 17-Aug-2019)
Trial Running Observation	City Sys PL-420	St. Laurent - Emergency Doors	Westbound platform at eastern most point - Emergency doors are unlocked and station is not secure	Pre-RSA		Open	Open			Wk 33 (11-Aug-2019 to 17-Aug-2019)

Safety Related Deficiencies

DSR	Def Src	Def ID	Def Title	Def Status	Action Owner	Action Status	QC Review (2019-08-13)	Traget Date	Closed Date	Comment - Infrastructure
	NCR	665	Stray current MSF	Open	Infrastructure (Bill Coleman)	Open	Testing ongoing. Minor issue			Testign Ongoing - Will be complete winthin next 6months. Not affect public safety
	NCR	802	Stray Current Baseline Survey (not performed prior to energization as stipulated in PA)	Open	Infrastructure (Bill Coleman)	Open	RTM to provide information on maintenance plan. No timeline. Minor issue			Testign Ongoing - Will be complete winthin next 6months. Not affect public safety
	NCR	869	Means of Egress - Compliance with NFPA 101 (no evidence to show compliance to NFPA 101, item 7.9, for Lyon and Bayview Stations (see Audit SA-018))	Open	Infrastructure (Bill Coleman)	Open	With EJV review. No timeline minor issue			Testign Ongoing - Will be complete winthin next 6months. Not affect public safety

OFS Certificates



LRT

5 July 2019

Distribution List

CONDITIONAL APPROVAL OF FIRE SAFETY PLANS (FSPs)

OFS has been asked by the Rail Office to review the suitability of the stations for substantial completion by approving the fire safety plans (FSPs) for each station. OFS has always maintained that approval of the FSPs required the receipt and acceptance of all Design Conformance Letters (DCLs) and Construction Conformance Letters (CCLs). The Ottawa Fire Service (OFS) has reviewed the outstanding work from its Gate 1 and Gate 2 inspections of each stations, and has deemed the work within its purview satisfactorily completed. We further understand Building Code Services (BCS) has issued conditional occupancy for the stations and that there are some mechanical and electrical deficiencies to be corrected. In addition, we believe that all outstanding issues identified in the NFPA 130 matrix required for compliance have been satisfactorily met.

OFS is therefore conditionally approving the FSPs for all stations with the understanding that all outstanding Mechanical and Electrical work identified by BCS is to be completed and approved prior to revenue service. Where this work has required additions or changes, new updated CCLs are required. OFS shall require these items to be addressed by revenue service or we shall be required to rescind our conditional approval of these plans.

For your review and consideration. If there are questions, please contact the undersigned.

Sincerely,



Sean A. Tracey, FIFireE
Deputy Chief Training & Safety
Ottawa Fire Services
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Julia Ouellette

CCL Deficiencies (Systems)

CCL Ref	CCL Title	Deficiency	Action Status	Deficiency ID	OLRT Status	OLRT Comment -2019-07-23	SEMP Assessed Status	Systems Comments
REJ-OLR-53-5-CCL-0238	Blair Station - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-235	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-5-CCL-0238	Blair Station - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-235	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Supereceded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-5-CCL-0237	Cyrville Station - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-234	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-5-CCL-0237	Cyrville Station - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-234	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Supereceded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-5-CCL-0236	St Laurent Station - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-233	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-5-CCL-0236	St Laurent Station - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-233	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Supereceded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-5-CCL-0228	TPSS 8 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-225	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-5-CCL-0228	TPSS 8 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; It is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-225	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-5-CCL-0227	TPSS 7 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-224	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-5-CCL-0227	TPSS 7 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; It is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-224	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-4-CCL-0244	TSCC - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-231	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-4-CCL-0242	MSF - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-239	Open	Listed in MDF	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-4-CCL-0242	MSF - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-239	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Supereceded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-4-CCL-0234	Tremblay station Comms IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-231	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-4-CCL-0234	Tremblay station Comms IFC	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-231	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Supereceded by Jaques Bergeron's signature to the Final System Completion letter.

REJ-OLR-53-4-CCL-0226	TPSS 6 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-223	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-4-CCL-0226	TPSS 6 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-223	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-4-CCL-0225	TPSS 9 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-222	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-4-CCL-0225	TPSS 9 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-222	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-3-CCL-0235	Hurdman Station - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-231	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-3-CCL-0235	Hurdman Station - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-231	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-3-CCL-0233	Lees Station - Comms Systems IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-230	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-3-CCL-0233	Lees Station - Comms Systems IFC	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-230	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-3-CCL-0232	Communications and Signals - uOttawa Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-229	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-3-CCL-0232	Communications and Signals - uOttawa Station - IFC	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-229	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-3-CCL-0224	TPSS 5 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-221	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-3-CCL-0224	TPSS 5 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-221	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-3-CCL-0223	TPSS 4 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-220	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-3-CCL-0223	TPSS 4 - IFC Comms	EJV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EJV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-220	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-2-CCL-0241	Communications and Signals - Rideau Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-229	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.

REJ-OLR-53-2-CCL-0241	Communications and Signals - Rideau Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-229	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-2-CCL-0240	Communications and Signals - Parliament Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-229	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-2-CCL-0240	Communications and Signals - Parliament Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-229	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-2-CCL-0239	Communications and Signals - Lyon Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-236	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-2-CCL-0239	Communications and Signals - Lyon Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-236	closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-1-CCL-0231	Communications and Signals - Pimisi Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-228	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-1-CCL-0231	Communications and Signals - Pimisi Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-228	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-1-CCL-0230	Communications and Signals - Bayview Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-227	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-1-CCL-0230	Communications and Signals - Bayview Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-227	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-1-CCL-0229	Communications and Signals - Tunney's Pasture Station - IFC	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-226	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-1-CCL-0229	Communications and Signals - Tunney's Pasture Station - IFC	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-226	Closed	There is a revised CCL that removes the SIL2 statement for the TPSS. This statement should also be stricken from the Station Marshaling panel.	Open	CLOSED. CCL Superseded by Jaques Bergeron's signature to the Final System Completion letter.
REJ-OLR-53-1-CCL-0222	TPSS 2 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-219	Open	This REG is covered by CCL-218	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-1-CCL-0222	TPSS 2 - IFC Comms	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-219	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED
REJ-OLR-53-1-CCL-0221	TPSS 1 - IFC Comms	Deficiency List RES-53-0-0000-REG-0010 covering deficiencies against the latest EIV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-218	Open	Listed in MDF	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REJ-OLR-53-1-CCL-0221	TPSS 1 - IFC Comms	EIV review of OLRTC SCADA deviations - It is noted that the wiring and terminations of the SCADA Marshalling Panels do not follow EIV design however conform to the design intent; it is further noted that no evidence has been made available from the vendor supporting Safety Integrity Level (SIL) 2 compliance as defined in IEC 61508 for the delivered solution.	closed	CCL-218	Closed	There is a revised CCL that removes the SIL2 statement. No further action required.	Open	CLOSED

REI-OLR-53-0-CCL-0243	General System Wide - IFC Comms	Deficiency List RES-53-0-000-REG-0010 covering deficiencies against the latest EJV design must be addressed prior to Revenue Service as indicated and will be updated periodically as required.	Open	CCL-240	Open	listed in MDF	Open	All Safety critical deficiencies have been addressed. The remainder are minor in nature and logged in the MDF. They will be closed by December 31, 2019.
REI-OLR-42-2-CCL-0196	Rideau Station Fire Protection	VIK-40-2-2135-SAT-RISU0017	closed		Closed	Report on 4P	Open	CLOSED
REI-OLR-42-2-CCL-0196	Rideau Station Fire Protection	VIK-40-2-2135-SAT-RISU0011	closed		Closed	Report on 4P	Open	CLOSED
REI-OLR-42-2-CCL-0193	Parliament Station Fire Protection	VIK-40-2-2135-SAT-DESU0015	closed		Closed	Report on 4P	Open	CLOSED
REI-OLR-42-2-CCL-0190	Lyon Station - IFC Mechanical (Fire protection) Design	VIK-40-2-2135-SAT-DWSU0002	closed		Closed	Report on 4P	Open	CLOSED
REI-OLR-42-2-CCL-0190	Lyon Station - IFC Mechanical (Fire protection) Design	VIK-51-2-2098-LET-0002	closed		Closed	Report on 4P	Open	CLOSED
REI-OLR-42-2-CCL-0190	Lyon Station - IFC Mechanical (Fire protection) Design	VIK-40-2-2135-SAT-DWSU0003	closed		Closed	Report on 4P	Open	CLOSED