JOINT OPERATIONS AND TECHNICAL COMMITTEE MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

Tuesday, July 19, 2022 • 1:30 p.m.
Microsoft Team Meeting

OPERATIONS COMMITTEE MEMBERS PRESENT:
John Geiger, County of Los Angeles, Chief Executive Office
Robert Weber, Chair, County of Los Angeles Sheriff's Department
Jeff Morgan, County of Los Angeles Department of Health Services
Jeff LaGreek, At-Large Seat #9
OPERATIONS ALTERNATE COMMITTEE MEMBERS PRESENT:
Eleni Pappas, Alternate Vice-Chair, County of Los Angeles Fire Department
Aaron Valdes, Los Angeles County Police Chiefs Association
Ric Walczak, At-Large Seat #8
OPERATION COMMITTEE MEMBERS ABSENT/VACANT:
Vacant, Los Angeles Area Fire Chiefs Association
Vacant, California Contract Cities Association
Vacant, At-Large Seat #10

TECHNICAL COMMITTEE MEMBERS PRESENT:
John Geiger, County of Los Angeles, Chief Executive Office
Scott England, Vice-Chair, County of Los Angeles Fire Department
Robert Weber, County of Los Angeles Sheriff's Department
Ted Pao, Chair, Los Angeles County Internal Services Department
Jeff LaGreek, At-Large Seat #9
TECHNICAL ALTERNATE COMMITTEE MEMBERS PRESENT:
Adam Martinez, County of Los Angeles Department of Health Services
Ric Walczak, At-Large Seat #8
TECHNICAL COMMITTEE MEMBERS ABSENT/VACANT:
Vacant, Los Angeles Area Fire Chiefs Association
Vacant, California Contract Cities Association
Vacant, At-Large Seat #10

OFFICERS PRESENT:
Scott Edson, LA-RICS Executive Director
Beatriz Cojulun, LA-RICS Committee Secretary

AGENDA ITEM A

LA-RICS

NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

Operations Committee Chair Lieutenant Robert Weber called the meeting to order at 1:32 p.m.

II. ANNOUNCE QUORUM – ROLL CALL

Beatriz Cojulun acknowledged a quorum was present for both Operations and Technical Committees (Joint Committees).

III. APPROVAL OF MINUTES (A)

A. November 16, 2021 – Regular Meeting Minutes

Operations Chair Weber asked the Committees for approval of the minutes.

Technical Committee Chair Ted Pao motioned first, seconded by Operations Committee Vice-Chair Dayton Calhoun.

Ayes 9: Geiger, Crongeyer, Calhoun, England, Morgan, Tan, Pao, Povero, Devlin.

MOTION APPROVED.

IV. PUBLIC COMMENTS – NONE

There was no public comment.

V. CONSENT CALENDAR – NONE

There were no Consent Calendar items.

VI. REPORTS (B - D)

B. Land Mobile Radio System Update – Steve Page

Acting Project Manager Steve Page presented Agenda item B the Land Mobile Radio (LMR) System Update.

Acting Project Manager Page presented a Power Point Presentation of basic statistics that he previously shared at the last Joint Operations and Technical (Joint Ops/Tech) Committee Meeting on November 16, 2021. Acting Project Manager

Page went on to say that, 49 of 58 sites were Phase 2 substantially complete; 46 of 58 sites had Phase 4 installed; only 30 of 58 sites had sites optimized; and only 25 of 58 were up on the air. Acting Project Manager Page reported the Authority completed Phase 2 and Phase 4 on all three (3) Catalina sites, with punch-list items would be addressed this week, and optimization well underway.

Key Program Metrics

Acting Project Manager Page presented an updated version of the chart from the November 16, 2021, Joint Ops/Tech meeting, which reflected that most sites were well underway. Acting Project Manager Page stated that with site optimization going on at Catalina, and with MCI site almost completed, the remaining sites in the network will be completely optimized and see a dramatic uptick in all of the sites. Acting Project Manager Page went on to say there are 57 of 58 sites substantially complete; Phase 4 has 57 of the 58 sites as installed; 52 of the 58 sites are optimized; and 48 of 58 sites are on the air.

Phase 2 Substantially Complete

Acting Project Manager Page said the sole and final site is MCI, which is currently under construction.

Phase 4 Installed

Acting Project Manager Page reiterated that all of the sites except for MCI have Phase 4 equipment installed, which should begin in a couple of weeks.

Sites Optimized

Acting Project Manager Page expressed that currently the Authority has 52 of the 58 sites optimized. Acting Project Manager Page said that as mentioned last month, once the Authority had primary power at these sites, Motorola Solutions, Inc. (MSI) was able to allocate appropriate resources to optimize sites and get them prepared for coverage testing.

Sites on-air

Acting Project Manager Page reported that of all the sites the Authority has available, the Authority is still waiting on San Pedro Hill (SPH) and Burnt Peak 1 (BUR1) to complete optimization so they can come up on the air. Acting Project Manager Page stated that it also included all of the sites on the West Cell, which are reliant on the MCI site to come up on the air, which is the Prime Site.

Still to Come

Acting Project Manager Page shared that these days the Authority's focus is on three (3) specific items.

Acting Project Manager Page said the first item is the construction of MCI and the subsequent installation of the Phase 4 equipment, so it can come up on the air as the Prime Site for the West Cell.

Acting Project Manager Page reported on the second item the Authority is working on is with State Parks, for an easement for power at Green Mountain (GRM), which has the Authority acting as the Prime easement holder, and the City of Los Angeles (City) Department of Water and Power (LADWP) will be subordinate to the Authority as required by LADWP. Acting Project Manager Page shared the language required by LADWP to be included in the easement has been transmitted to the State Parks staff, and they are currently drafting the document which will be sent back to the Authority for review and discussion with LADWP to make sure both parties are in agreement.

Acting Project Manager Page stated the third and final item the Authority is focusing on is optimization and coverage testing to make sure that the network meets the operational needs of the users in the field.

This concluded the report on Agenda Item B presented by Acting Project Manager Page. There was no further discussion.

C. Regional ISSI Interoperability Working Group Update – Steve Page

Acting Project Manager Page reported that currently, the Inter Subsystem Interface (ISSI) Working Group has not met in several months, but there is forward movement on a Memorandum of Understating (MOU) with the Interagency Communications Interoperability (ICI) Group regarding ISSI use. Acting Project Manager Page stated that LA-RICS Staff has made outreach and approved the connection through the ISSI to the Port of Los Angeles (POLA), and expressed that as the Authority gets more information on that and items move forward towards a connection, the Committees will be updated.

This concluded the report on Agenda Item C presented by Acting Project Manager Page. There was no further discussion.

D. Spectrum and Licensing Issues Impacting Land Mobile Radio Deployment Update – Ted Pao

Technical Lead Ted Pao reported on the status of Interference and the Federal Communications Commission (FCC). Technical Lead Pao stated that since the last Joint Committee meeting, the Authority made some substantial progress with the FCC Licensing Board. Technical Lead Pao stated the Authority has virtually obtained all of its licenses with just three (3) exceptions. Technical Lead Pao shared the Authority continues to work with its partners to complete the licensing work.

Technical Lead Pao stated that for Interference, the Authority is investigating reports of interference at few of the LA-RICS sites and have procured an interference investigation services from MSI for three (3) sites. Signal Hill (SGH) and Clara Shortridge Foltz Criminal Center (CCT) are scheduled to start this month.

This concluded the report on Agenda Item D presented by Technical Lead Pao. There was no further discussion.

E. LA-RICS Phase 4 Closeout Book Process – Ted Pao and Justin Compito

Technical Lead Pao reiterated what was previously stated, in which the Authority has made substantial progress with construction and the LMR Equipment Implementation for this Project and that those phases are nearing completion. Technical Lead Pao further stated that LA-RICS Technical Staff has not been sitting idle waiting for the equipment to be turned on. Technical Lead Pao went on to say that in fact, once the Technical Staff has met the challenges of the LMR System design, construction, and implementation, the staff has been transitioning to tasks involving closing out the Project and preparing for the operation of the System.

Technical Lead Pao reported the Authority would be focusing on the staff's work in an effort to close out the Project. Technical Lead Pao stated that part of the Project's closeout is to ensure system documentation is in place. Technical Lead Pao said that although often overlooked, what the Authority is referring to as Phase 4 Closeout Book (COB), will be extremely important for the future of LA-RICS. Technical Lead Pao believes that given that LA-RICS is such a large public safety radio system, one of the most complicated systems implemented by MSI, the COB process would validate the LMR equipment implementation per engineering design and memorialize its implementation in the COBs.

Technical Lead Pao stated that as mentioned earlier, this process is often overlooked in many projects, but the staff here truly believes this is one of the most important tasks at hand for the Project to move on to the next phase, Operation. Technical Lead Pao went on to say the COB process adds a Quality Assurance

step that allows the Authority to verify the system is implemented according to the design by its vendor, MSI. Technical Lead Pao further stated the system documentation requirements have been included in the contract, down to the details of file type, drawing size, and the number of copies. Technical Lead Pao expressed that even with such stringent and detailed requirements staff does not take the delivered documents from MSI at their face value. Technical Lead Pao shared the Authority has an extensive review process involving the as-built documentation.

Technical Lead Pao informed the Committees the COB process starts when MSI has transmitted various site documents to the Authority using Smartsheet, such as equipment rack drawings and tower drawings. Technical Lead Pao stated that Authority staff uses these documents as a reference to validate the equipment implemented at each site to ensure the implementation meets the design specifications. Technical Lead Pao said that a Phase 4 COB site survey is then scheduled. Technical Lead Pao shared that a team of LA-RICS Technical Staff members, joined by MSI's Technical Team, will survey every single site MSI has implemented. Technical Lead Pao further stated that once arrived at the site, each staff member would validate the as-built drawings to ensure the equipment and that frequency information would be accurately depicted in the documents. Technical Lead Pao also said the staff would also inspect for any installation issues, such as unsecured ground wire, wire/cable labels are present and correct, site cleanness, and any other implementation issues that MSI will need to address.

Technical Lead Pao further stated these surveys not only act as a COB documentation validation, but also allows staff to physically inspect the quality of the installation workmanship. Technical Lead Pao concluded by saying that validated documents are memorialized as part of the documentation delivery to the Authority and would be utilized in the future for maintenance, upgrade, and system modifications purposes.

Technical Lead Pao said that as a footnote, what the Authority calls a Phase 2 is the construction of the LMR System sites. Technical Lead Pao informed the Committees the Phase 2 also have a similar COB process where a different members of the staff would do inspection sites for contraction related issue and for validating construction documents.

Technical Lead Pao concluded his portion of the presentation on the approval process for the LA-RICS Phase 4 COB. Technical Lead Pao introduced Justin Compito who provided a Power Point Presentation overview of the Phase 4 COB Process.

This concluded the report on Agenda Item D presented by Technical Lead Pao and Justin Compito. There was no further discussion.

F. Los Angeles County Fire Department NMDN Cutover – Steve England and August Dougherty

Operations Lead Weber stated that Agenda item F the County of Los Angeles Fire Department Narrowband Mobile Data Network (NMDN) Cutover presented by Technical Vice-Chair Scott England and Captain August Dougherty.

Technical Vice-Chair England reported to the Committees the County of Los Angeles (County) Fire Department (LACoFD) would be using NMDM via LA-RICS, to supplement the coverage for any areas that LACoFD does not have any cellular coverage. Technical Vice-Chair England expressed how prevalent and important it is to have coverage, for example the wildland incidents are in areas that do not have coverage.

Technical Vice-Chair England stated that LACoFD would be using the system. Each unit would automatically roam between the new and old sites, which the users would not know the difference when migrating between both new and old systems. Technical Vice-Chair England reported that this year all fire vehicles have been completed with programming of frequencies and ready for cutover.

Technical Vice-Chair England went on to say that as of April 2022, LACoFD has cutover all of its fire stations and station control units, therefore, all of the fire alerting systems are ready for cutover. Technical Vice-Chair England further reported that LACoFD has validated that all of the communication sites that LA-RICS put in are connected and connecting to the LACoFD's Computer Aided Dispatch (CAD), LACoFD also validated that the site roaming on fire vehicles and stations are working and functioning as planned.

Technical Vice-Chair England said that currently LACoFD is doing the loading testing to validate the entire fleet can cutover in sections, should LACoFD have fire and see what it would look like with a single site with many vehicles, and that testing should be finished by the end of this month.

Technical Vice-Chair England shared that LACoFD staff has received technical training for the technical personnel and scheduled for July 25, 2022.

Technical Vice-Chair England reported that LACoFD is on schedule and ready to go for cutover in September 2022.

This concluded the report on Agenda Item F presented by Technical Vice-Chair England. There was no further discussion.

G. Los Angeles County Sheriff's Department Aero Bureau Testing Results – Robert Weber and Steve Page

Acting Project Manager Steve Page presented Agenda Item G, the County of Los Angeles Sheriff's Department (LASD) Aero Bureau Testing.

Acting Project Manager Page stated that until now, Aero Bureau has traditionally operated on the LASDs analog conventional system and there has always been talk that operating on a digital trunk system, especially with an a simulcast cell or even encrypted could pose problems with radio communication as air support units operate higher and faster than a ground based resources.

Acting Project Manager Page reported that digital radio communications put simply, converts voice to a bunch of 1's and 0's and transmits those over the air to a receiver which then converts them back to audio. Acting Project Manager Page went on to say that, it gets complicated when a simulcast side, which is multiple sites in a cell transmitting at exactly the same time, is received by a particular radio. Acting Project Manager Page said that for example, helicopters being higher and able to see more sites often receive the same signal from sites than ground units would not be able to receive. Acting Project Manager Page further explained that when some signals go on further than delay spread; it means there could be some distortion on the received signal that causes the received audio to be intelligible.

Acting Project Manager Page explained that when a handling a receiver on a helicopter, receiving signals from sites that are more than nine (9) miles apart, these signals could be out of sync by a few microseconds and causes the radio in the helicopter no be able to recover the audio, and hence, there is a garbled transmission.

Acting Project Manager Page shared that one of the questions he was asked early on for the proposal for this test was if it mattered if it was encrypted or not, to which the answer is no. Acting Project Manager Page stated that where signals go, binary digits are binary digits and if the radio can recover them, it is all the same.

Acting Project Manager Page said that from the very beginning the test was planned to evaluate both UHF and 700 MHz layers of the digital trunked voice radio system. Acting Project Manager Page stated that with certain technical issues, interference, that have been causing issues with coverage testing, the decision was made to bring this test to just the 700 MHz Digital Trunked Voice Radio System (DTVRS). Acting Project Manager Page went on to say the Authority chose to test both simulcast and standalone Advanced Site Repeater (ASR), site performance clear and encrypted. Acting Project Manager Page said and the Authority chose a fairly decent flight plan and made sure to take under account as air shipping besides as possible to show that it was locked in and sync all sites within a simulcast cell during those particular tests.

Acting Project Manager Page the flight plan was originally selected to cover multiple different sites in the network and while the flight plan on the test document was straight forward, the Authority's Technical Team, specialized in radio stuff and was not ready to face the reality of reading an air and nautical chart. Acting Project Manager Page expressed that apparently there are a whole lot of places that although you can fly, it makes it a little bit more difficult for the pilot because of those various air space regulations, so the revised flight plan for the return trip was chosen to avoid certain areas. Now, the Authority deliberately configured the radio in the helicopter to be steered to certain sites on certain talk groups and able to monitor the radiological conditions in the system during the test. Acting Project Manager Page said that prior to the launch the Authority had a training session with the Tactical Flight Officer and other observers to ensure everyone was on the same page when it came to the audio quality.

Acting Project Manager Page reported the Authority had audio samples custom made at each level of the Delivered Audio Quality (DAQ) to get the message across. Acting Project Manager Page discussed the numbers on the presentation table on the screen and said the numbers referenced are known as "Harvard Sentences" and are specifically designed to help test digital speech. Acting Project Manager Page further stated that there are thirteen (13) specific tests performed from being on the ground to performing tied orbits on an ASR to high-speed communications at an altitude on a simulcast cell. Acting Project Manager Page said the end-result to the tests worked with the helicopter as programmed on the system, which the Authority is currently preparing for use performed admirably, passing all tests and not experiencing any form of distortion or lack of communications that are rumored to exist when it comes to an airborne use of a DTVRS.

Operations Lead Weber stated that it was important to know this was a milestone for the LA-RICS Project, LASD and for the LACoFD. Operations Lead Weber went on to say these tests allow the Authority to move forward with further testing.

This concluded the report on Agenda Item G presented by Acting Project Manager Page. There was no further discussion.

VII. DISCUSSION ITEMS – NONE

VIII. ADMINISTRATIVE MATTERS – NONE

IX. MISCELLANEOUS – NONE

X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE - NONE

XI. CLOSED SESSION REPORT – NONE

XII. ADJOURNMENT AND NEXT MEETING

The Regular Joint Operations and Technical Committee Meeting adjourned at 2:20 p.m. and the next Joint Committee Meeting will be held on Tuesday, September 15, 2022, at 1:30 p.m., via Microsoft Teams Meeting.

Operations Chair Weber called for a motion to adjourn the Regular Joint Committee Meeting. Technical Lead Pao motioned first.

LA-RICS RF Site Audit

AGENDA ITEM A - ENCLOSURE

LA-RICS

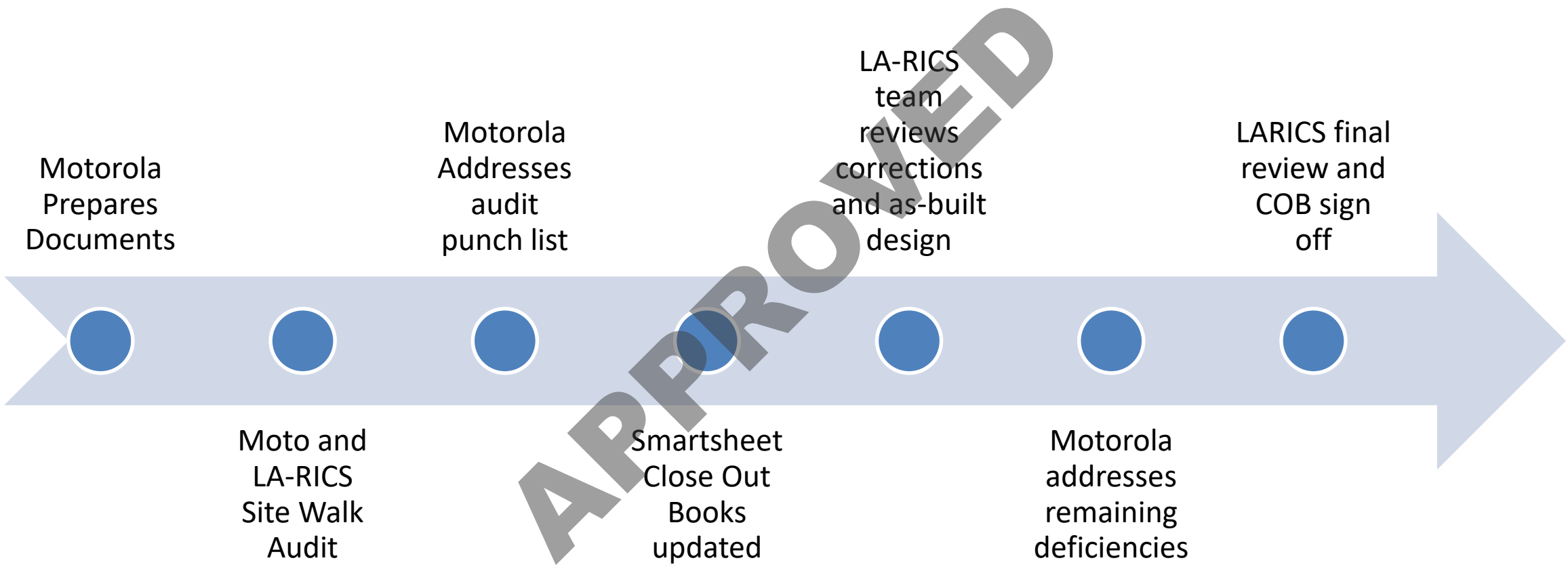
Agenda

- Close Out Book Overview
- Smartsheets Introduction
- RF Site Audit
- Live demo

Close Out Book Overview

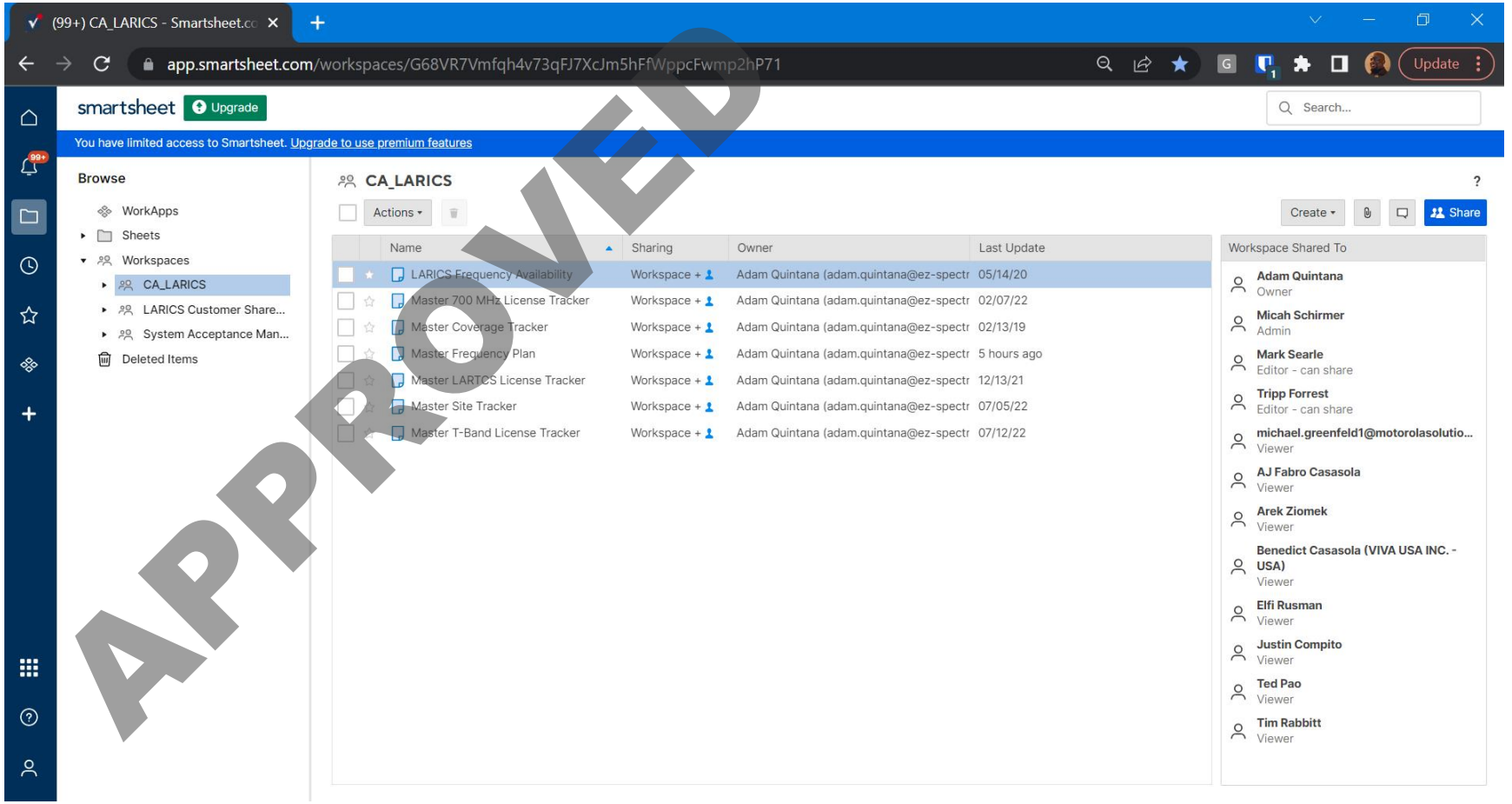
- Phase 2 – Physical Site Construction
  - All tower, shelter, and electrical associated documentation
- Phase 4 – RF Site Specific Documentation
  - Site Drawings (As-Builts)
  - Installation Information (Attachments / Spreadsheets)
  - Microwave Information (Attachments / Spreadsheets)
  - Antennas (including microwave dishes)
  - Site Photos
- System Manual
  - Network System Documentation
  - Describes the network routing, core functions and system licensing

LA-RICS Site Audit Process



Smartsheets Shared Documentation

- Smartsheets allows shared documentation collaboration between LA-RICS
- Motorola maintains control of documents
- LA-RICS can suggest changes and additions

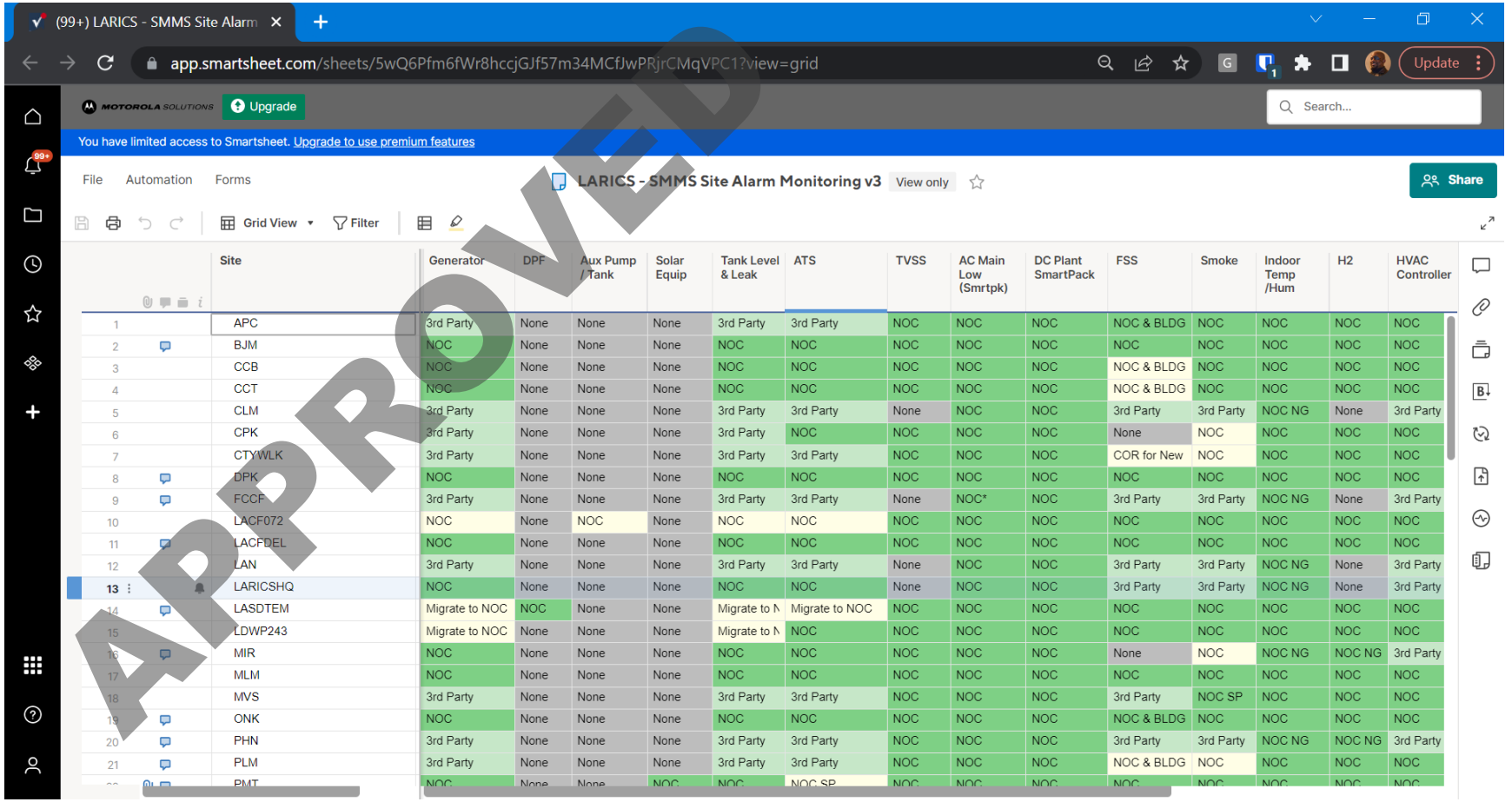


AGENDA ITEM A - ENCLOSURE

LA-RICS

Smartsheets Shared Documentation

- Trackers, matrices and progress can easily be tracked, shared, and updated real time
- Separate workspaces are created for different purposes
- Version history is saved



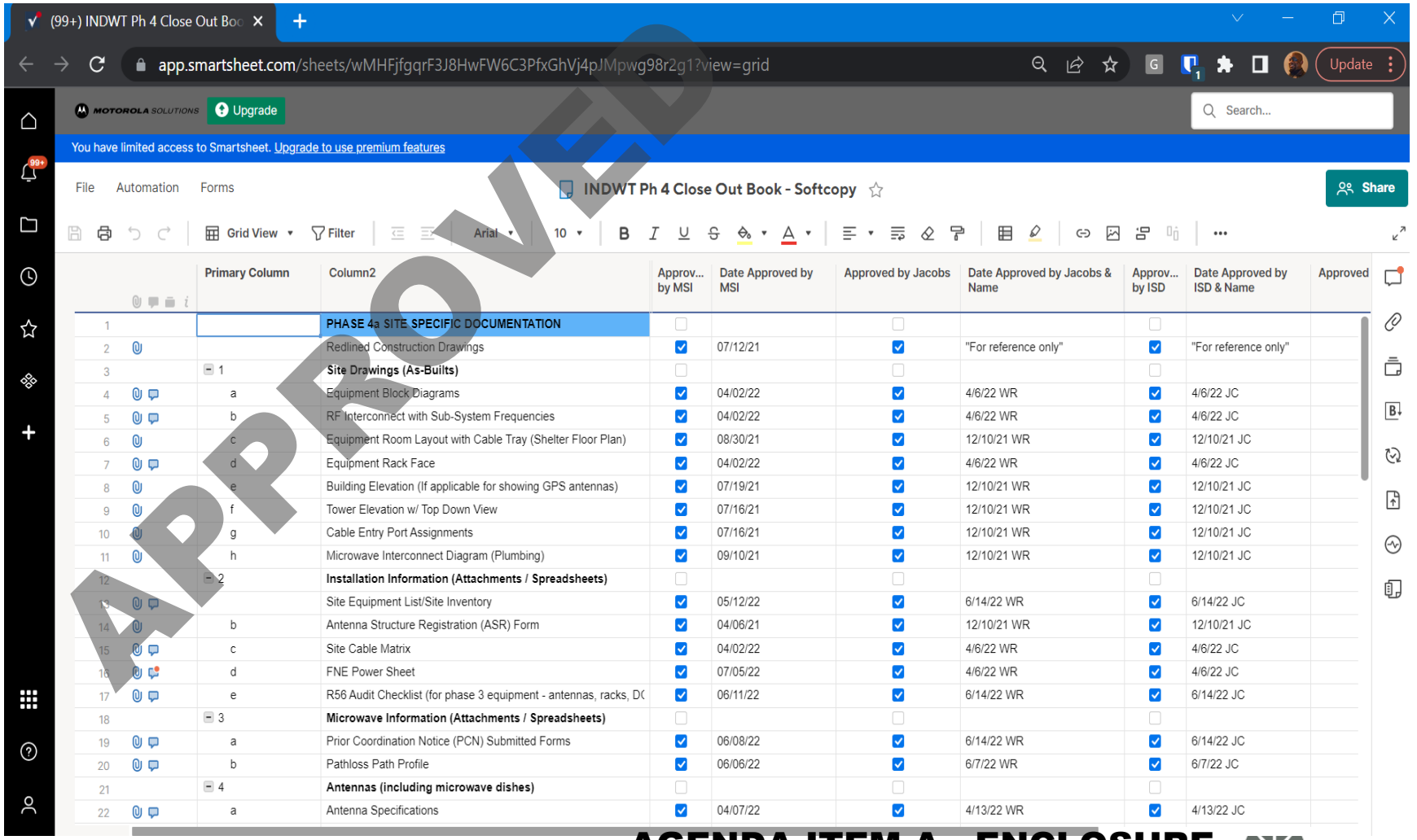
	Site	Generator	DPF	Aux Pump /Tank	Solar Equip	Tank Level & Leak	ATS	TVSS	AC Main Low (Smrtpk)	DC Plant SmartPack	FSS	Smoke	Indoor Temp /Hum	H2	HVAC Controller
1	APC	3rd Party	None	None	None	3rd Party	3rd Party	NOC	NOC	NOC	NOC & BLDG	NOC	NOC	NOC	NOC
2	BJM	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
3	CCB	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC & BLDG	NOC	NOC	NOC	NOC
4	CCT	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC & BLDG	NOC	NOC	NOC	NOC
5	CLM	3rd Party	None	None	None	3rd Party	3rd Party	None	NOC	NOC	3rd Party	3rd Party	NOC NG	None	3rd Party
6	CPK	3rd Party	None	None	None	3rd Party	NOC	NOC	NOC	NOC	None	NOC	NOC	NOC	NOC
7	CTYWLK	3rd Party	None	None	None	3rd Party	3rd Party	NOC	NOC	NOC	COR for New	NOC	NOC	NOC	NOC
8	DPK	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
9	FCCF	3rd Party	None	None	None	3rd Party	3rd Party	None	NOC*	NOC	3rd Party	3rd Party	NOC NG	None	3rd Party
10	LACF072	NOC	None	NOC	None	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
11	LACFDEL	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
12	LAN	3rd Party	None	None	None	3rd Party	3rd Party	None	NOC	NOC	3rd Party	3rd Party	NOC NG	None	3rd Party
13	LARICSHQ	NOC	None	None	None	NOC	NOC	None	NOC	NOC	3rd Party	3rd Party	NOC NG	None	3rd Party
14	LASDTEM	Migrate to NOC	NOC	None	None	Migrate to N	Migrate to NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
15	LDWP243	Migrate to NOC	None	None	None	Migrate to N	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
16	MIR	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	None	NOC	NOC NG	NOC NG	3rd Party
17	MLM	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC
18	MVS	3rd Party	None	None	None	3rd Party	3rd Party	NOC	NOC	NOC	3rd Party	NOC SP	NOC	NOC	NOC
19	ONK	NOC	None	None	None	NOC	NOC	NOC	NOC	NOC	NOC & BLDG	NOC	NOC	NOC	NOC
20	PHN	3rd Party	None	None	None	3rd Party	3rd Party	NOC	NOC	NOC	3rd Party	3rd Party	NOC NG	NOC NG	3rd Party
21	PLM	3rd Party	None	None	None	3rd Party	3rd Party	NOC	NOC	NOC	NOC & BLDG	NOC	NOC	NOC	NOC
	PMT	NOC	None	None	NOC	NOC	NOC SP	NOC	NOC	NOC	NOC	NOC	NOC	NOC	NOC

AGENDA ITEM A - ENCLOSURE

LA-RICS

Site Specific Close Out Book

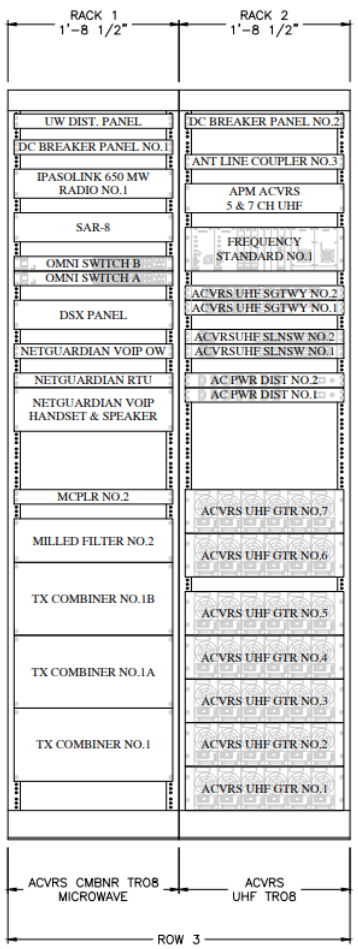
- Each site has an individual close out book
- The Phase 4 book addresses the RF parameters.
- Any issues identified during the site audit are fixed and reviewed before finalizing book

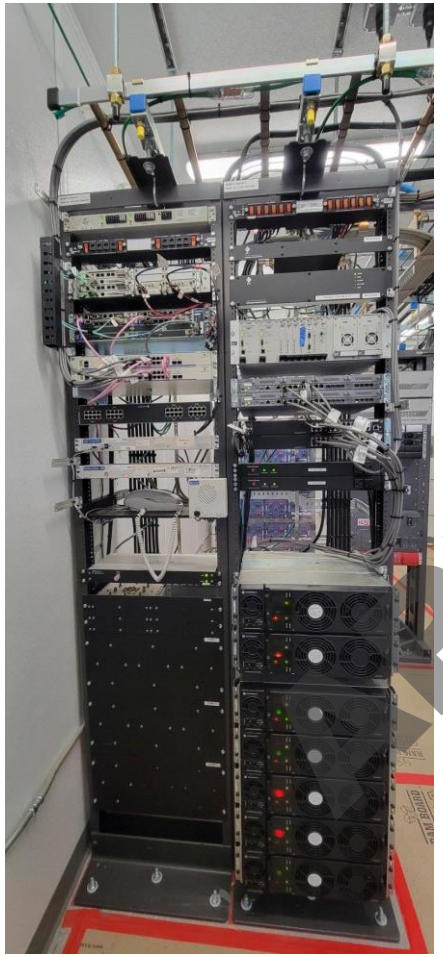


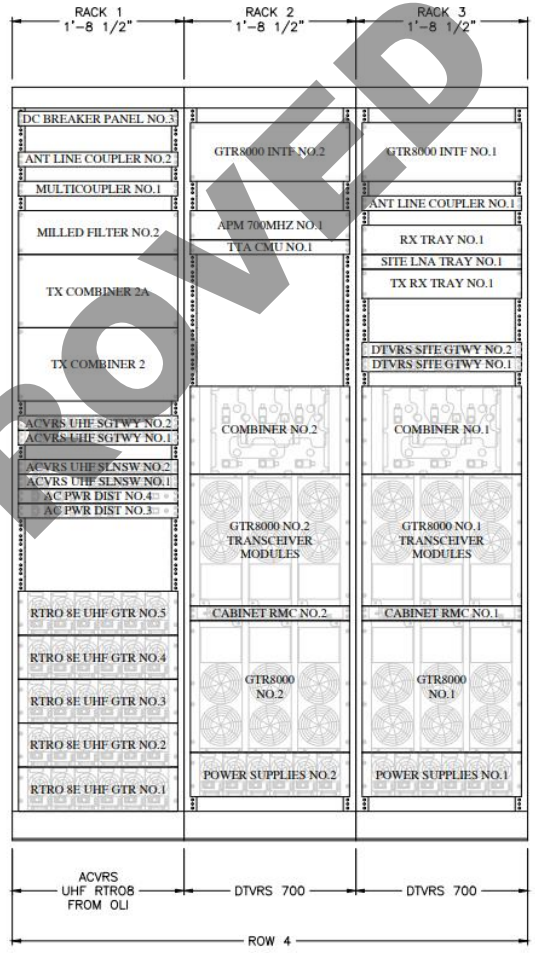
	Primary Column	Column2	Approv... by MSI	Date Approved by MSI	Approved by Jacobs	Date Approved by Jacobs & Name	Approv... by ISD	Date Approved by ISD & Name	Approved
1		PHASE 4a SITE SPECIFIC DOCUMENTATION	☐		☐		☐		
2		Redlined Construction Drawings	☑	07/12/21	☑	"For reference only"	☑	"For reference only"	
3	1	**Site Drawings (As-Builts)**	☐		☐		☐		
4	a	Equipment Block Diagrams	☑	04/02/22	☑	4/6/22 WR	☑	4/6/22 JC	
5	b	RF Interconnect with Sub-System Frequencies	☑	04/02/22	☑	4/6/22 WR	☑	4/6/22 JC	
6	c	Equipment Room Layout with Cable Tray (Shelter Floor Plan)	☑	08/30/21	☑	12/10/21 WR	☑	12/10/21 JC	
7	d	Equipment Rack Face	☑	04/02/22	☑	4/6/22 WR	☑	4/6/22 JC	
8	e	Building Elevation (If applicable for showing GPS antennas)	☑	07/19/21	☑	12/10/21 WR	☑	12/10/21 JC	
9	f	Tower Elevation w/ Top Down View	☑	07/16/21	☑	12/10/21 WR	☑	12/10/21 JC	
10	g	Cable Entry Port Assignments	☑	07/16/21	☑	12/10/21 WR	☑	12/10/21 JC	
11	h	Microwave Interconnect Diagram (Plumbing)	☑	09/10/21	☑	12/10/21 WR	☑	12/10/21 JC	
12	2	**Installation Information (Attachments / Spreadsheets)**	☐		☐		☐		
13		Site Equipment List/Site Inventory	☑	05/12/22	☑	6/14/22 WR	☑	6/14/22 JC	
14	b	Antenna Structure Registration (ASR) Form	☑	04/06/21	☑	12/10/21 WR	☑	12/10/21 JC	
15	c	Site Cable Matrix	☑	04/02/22	☑	4/6/22 WR	☑	4/6/22 JC	
16	d	FNE Power Sheet	☑	07/05/22	☑	4/6/22 WR	☑	4/6/22 JC	
17	e	R56 Audit Checklist (for phase 3 equipment - antennas, racks, DC	☑	06/11/22	☑	6/14/22 WR	☑	6/14/22 JC	
18	3	**Microwave Information (Attachments / Spreadsheets)**	☐		☐		☐		
19	a	Prior Coordination Notice (PCN) Submitted Forms	☑	06/08/22	☑	6/14/22 WR	☑	6/14/22 JC	
20	b	Pathloss Path Profile	☑	06/06/22	☑	6/7/22 WR	☑	6/7/22 JC	
21	4	**Antennas (including microwave dishes)**	☐		☐		☐		
22	a	Antenna Specifications	☑	04/07/22	☑	4/13/22 WR	☑	4/13/22 JC	

LA-RICS

Documentation reflects as-built sites







AGENDA ITEM A - ENCLOSURE

LA-RICS

Live Demo

LA-RICS