Document Title: 4540_p25-cab-issi_cssi_interoperability_test_req-05082019-508

Comment Date: June 5, 2019

Commenter Name or Company: L3/Harris P25 Compliance Lab Manager

#	Comment	Action	P25 CAP Explanation
H1	Section 2.1, sentence 1 "Mobile subscriber units" Since term "mobile" has a specific meaning in the world of LMR and P25 relative to subscriber units, and since consoles can also be used for some testing, we suggest changing the term here to "Mobile, portable, or console subscriber units" or simply "Subscriber units" to make it clear that these types of subscribers are allowed. This comment applies to multiple similar instances throughout the document.	Accepted/ CAB will be updated	There is a need to differentiate between subscriber units that are mobile subscriber units and console subscriber units. In Section 1.4 Definitions, 'mobile subscriber unit' will be defined as a Project 25 mobile/vehicular radio unit or Project 25 portable/handheld radio unit.
H2	Section 2.4, sentence 2 An apparent typographical error: "Subscriber units that are used in ISSI and CSSI interoperability tests testing shall be able to pass the following test cases defined in [CABC-C] for FDMA and TDMA operation."	Accepted/ CAB will be updated	The redundancy will be corrected.
H3	Section 2.4, Table 1 FDMA Test Cases for Subscribers 2.2.8.4.6 Emergency Call Request Ruthless Preemption is not a test case that exists within CABC-C. There is a similar test case there, but it only applies to TDMA.	Not Accepted	 2.2.8.4.6 Test Case 6 - Emergency Call Request Ruthless Preemption exists in CABC-C. See page 40 of CABC-C. This test case may be confused with the 2.2.26 Test Suite: Transmitting Subscriber Forced Preemption. It also exists in CABC- C and only applies to equipment that can support TDMA.
H4	Section 2.5, Table 6. Role combination UR1 row ISSI arrow appears to be pointing in the wrong directions. (We assume the arrow direction is intended to convey the directions of the initiation.)	Accepted/ CAB will be updated	Yes, the arrow is pointing in the wrong direction. This will be corrected.

#	Comment	Action	P25 CAP Explanation
H5	Section 3.1, paragraph 2, sentence 2	Accepted/	Only one connection type is required for
	 The testing of <u>both</u> Inter-System 	CAB will be	product compliance. Clarifying language
	and Inter-WACN connection	updated	will be added.
	types is not required to declare		
	product compliance?		The 'maybe' will be corrected.
	 An apparent typographical error: 		
	"maybe" should be "may be".		
		A	
Hb	Section 3.2, paragraph 5, sentence 3	Accepted/	i në typographical error will be corrected.
	• An apparent typographical error:		
	chose should be choose .	updated	
	• This error is also found in sections		
	3.3, 4.2, 4.3, 5.2 and 5.3		
Н7	Section 3.2. Table 14	Reiect/see	Another commenter suggested the
	One of the RFSS tests prescribed is	potential	following test methodology for simulating
	2.3.1.5.6 SU Roamed Procedure (from	solution	the physical movement from the
	serving to home). This test case requires		coverage area of the serving RFSS to the
	that the SU moves from one RFSS		coverage area of the SU home will be
	coverage area to the other to test		added to replace Step c).
	roaming. The test does allow this to be		To simulate the physical movement of
	simulated, but such simulation would		SU 1 from the coverage area of the
	seem to refer to attenuating the RF		Serving RFSS to the coverage area of the
	signal of the first RFSS to simulate		SU Home RFSS, perform the following
	moving out of its coverage area and into		actions in place of Step c):
	the other RFSS coverage area, and not to		(1) Have two radios identically
	any sort of programming changes, which		configured as SU 1, with one located
	would change the essential nature and		in the Serving RFSS and the other in
	intent of this test. Given the assumption		SU Home RFSS.
	that most ISSI-RESS testing will be done		(2) Start with SU 1 turned on in the
	remotely over an internet/vPN		serving RFSS and the other SU I
	connection with the two RFSS'S		(2) After SUI has registered in the
	related comment in the general section		(5) After SOT has registered in the
	above) this test cannot be performed if		Home RESS
	OIC insists that this test case remain a		(4) After verifying SUI1 in the Home RESS
	requirement of compliance, then this		has been registered, verify that SU1
	single case will preclude the possibility of		in the Serving RFSS has been
	using a remote connection for all ISSI-		deregistered.
	RFSS CAP testing. Due to the nature of		(5) Turn off SU 1 in the Serving RFSS.
	the equipment involved (at least in the		(6) Turn off SU 1 in the Home RFSS.
	case of the L3Harris architecture), having		
	to transport and set up the required		
	RFSS/ISSI/FNE physically near another		
	manufacturer's RFSS would be quite		
	onerous compared to the prospect of		
	testing over VPN.		

#	Comment	Action	P25 CAP Explanation
H8	 Section 4.1, paragraph 2, sentence 3 The testing of all three connection types is not required to declare product compliance? An apparent typographical error: "maybe" should be "may be". These comments also apply to 5.1, paragraph 2, sentence 3 	Accepted/ CAB will be updated	Only one connection type is required for product compliance. Clarifying language will be added to 4.1 and 5.1. The 'maybe' will be corrected.
H9	Can OIC explain the reasoning or plan behind there being separate SDoC and STR template for ISSI/CSSI Conformance and Interoperability? We would have thought that ISSI compliance would have worked similarly to CAI compliance; that there would be one product SDOC and STR that declares that all prescribed compliance testing has been passed (both Conformance and Interoperability) and the product is thus CAP compliant.	Clarify	The previous ISSI/CSSI test requirements CAB did have both conformance and interoperability in the same CAB. Because of the lead time for developing the P25 CAP Conformance testing program, it was decided to separate the two test suites. It is generally assumed that a P25 CAP Test Lab for ISSI CSSI Interoperability testing will be available before P25 CAP Test Lab for ISSI CSSI Conformance testing. Additionally, separating enables the ability of a laboratory to do either interoperability or conformance since previously no laboratory expressed interest in performing conformance.
H10	We are assuming that OIC invasions that ISSI testing may be done with RFSS's that are geographically separated, using an internet/VPN connection. We would expect that the vast majority of ISSI interoperability testing would be done this way due to the difficulty in collocating RFSS's from different manufacturers.	Agree	DHS S&T does envision testing with geographically separated RFSS/CSS. However, co-located RFSS/CSS can also be tested.

#	Comment	Action	P25 CAP Explanation
H11	If geo-separated RFSS testing is allowed, then there could be scenarios where it may make sense that each separate RFSS location is manned by a different recognized CAP test lab during the test event. If OIC allows this, then we suggest that provisions be considered for the CAB document and the STR template to address how cooperative testing and reporting between recognized labs shall be done and how to properly capture the test labs joint information.	Accepted/ STR will be modified	The ISSI STR will be modified to allow the listing of multiple recognized P25 Test Labs on the STR document. The ISSI CSSI test case result tabs have been modified to allow the capture of a second test lab DTR number when a second lab is involved with the testing. Both manufacturers will need to submit their own SDOC and STR.

Comment Date: July 19, 2019 Commenter Name or Company: Motorola Solutions

#	Comment	Action	P25 CAP Explanation
M1	Sections 3, 4 and 5 have subsections for	Accepted/	The test requirements document will be
	FDMA voice services and TDMA voice	CAB will be	updated to:
	services. These FDMA and TDMA	updated	FDMA testing of the ISSI and CSSI shall
	subsections within any given section		use a full rate vocoder for the SU that
	appear to have identical text and very		initiates testing in the RFSS/CSS under
	similar feature lists and yet there is no		test or the RFSS/CSS supporting the
	mention of expectations for FDMA or		testing. A full rate vocoder shall be used
	TDMA operation of the equipment		by the ISSI and CSSI. The SU that receives
	under test or the equipment used to		the call in either the RFSS/CSS under test
	execute the tests. Using ISSI-RFSS		or the RFSS/CSS that supports the testing
	testing as an example, is the expectation		shall receive a FDMA transmission.
	that the tests listed in the FDMA		TDMA testing of the ISSI and CSSI shall
	subsection require FDMA CAI operation		use a half rate vocoder for the SU that
	of the RFSS under test and the RFSS		initiates testing in the RFSS/CSS under
	used to execute the test and the tests		test or the RFSS/CSS supporting the
	listed in the TDMA subsection require		testing. A half rate vocoder shall be used
	TDMA CAI operation of the RFSS under		by the ISSI and CSSI. The SU that receives
	test and the RFSS used to execute the		the call in either the RFSS/CSS under test
	test?		or the RFSS/CSS that supports the testing
	Please clarify the expectation in the		shall receive a TDMA transmission.
	document.		

#	Comment	Action	P25 CAP Explanation
M2	Section 3.2 (and other sections) states:	Accepted/	DHS S&T will accept requests for waiver
	"P25 CAP has defined certain test cases	CAB will be	from 'Required PASS' test cases when the
	as 'Required PASS' test cases. 'Required	updated	manufacturer has not developed the ISSI
	PASS' means that the test case results		functionality to support the test case and
	shall be a PASS if the equipment is to be		the manufacturer does not offer a similar
	considered P25 CAP Compliant. Only		non-P25 feature in place of the P25
	P25 CAP Compliant equipment will be		Standard feature.
	posted as 'Approved (Grant Eligible)		The manufacturer is required to submit
	Equipment on the P25 CAP webpage.		the waiver request via email to
	These test cases have been noted with		P25CAP@hq.dhs.gov. The email shall list
	double asterisk (**) in Table 14."		the requested test cases to be waived,
	Question – What exactly does "posted		the reason for the waiver request and
	as Approved (Grant Eligible) Equipment		manufacturer attestation the
	on the P25 CAP webpage" mean? Does		manufacturer does not offer a similar
	this mean that if a manufacturer has not		non-P25 feature in place of the P25
	implemented a feature associated with		Standard feature.
	a "Required PASS" test case, that		Once the waiver has been provided, the
	manufacturer's SDoC/STR will be		manufacturer may submit the SDOC and
	excluded from posting on the CAP		STR for the equipment indicating
	website?		'Unsupported' status for the test cases
	Please clarify the expectation in the		that were waived. After the SDOC and
	document.		STR are submitted, reviewed and
			accepted by DHS S&T, the SDOC will be
			posted on the P25 CAP website and the
			STR be made available to email requests.

#	Comment	Action	P25 CAP Explanation
M3	Page 18 Table 14: ISSI-RFSS FDMA has	Accepted/	Thank you for that language.
	2.3.1.5.6 SU Roamed Procedure	CAB will be	The following test methodology for
	clarification.	updated	simulating the physical movement from
			the coverage area of the serving RFSS to
	Step c) states "Physically move, or		the coverage area of the SU home will be
	otherwise simulate the physical		added to replace Step c).
	movement of SU1 from the coverage		To simulate the physical movement of SU
	area of the Serving RFSS to the coverage		1 from the coverage area of the Serving
	area of the SU Home RFSS". The CAB		RFSS to the coverage area of the SU
	should clarify the conditions for		Home RFSS, perform the following
	simulating the physical movement of the		actions in place of Step c):
	SU between coverage areas because		(1) Have two radios identically
	physically moving an SU between		configured as SU 1, with one located
	coverage areas is difficult to do in a lab		in the Serving RFSS and the other in
	environment. We propose text such as		SU Home RFSS.
	this be added:		(2) Start with SU 1 turned on in the
			Serving RFSS and the other SU 1
	To simulate the physical movement of		turned off in the SU Home RFSS.
	SO I from the coverage area of the		(3) After SU1 has registered in the
	Serving RFSS to the coverage area of the		Serving RFSS, turn on SU 1 in the
	actions in place of Step c):		Home RFSS.
	(7) Have two radios identically		(4) After verifying SUL in the Home RFSS
	configured as SUL1 with one located		in the Serving PESS has been
	in the Serving RESS and the other in		deregistered
	SIL Home RESS		(5) Turn off SUL1 in the Serving PESS
	(8) Start with SU 1 turned on in the		(6) Turn off SU 1 in the Home RESS
	Serving RESS and the other SU 1		
	turned off in the SU Home RFSS.		
	(9) Turn off SU 1 in the Serving RFSS.		
	(10)Turn on SU 1 in the Home RFSS.		

#	Comment	Action	P25 CAP Explanation
# M4	Comment Page 22 Table 17: CSSI-RFSS FDMA test case 2.3.2.5.6 Confirmed Group Voice Call Granted after RF Resources Become Available with the RFSS tested in GC5 role. Section 4.1 indicates the "console equipment" supporting the testing may be either CSS based equipment or a console integrated with RFSS equipment. Note that section 1.4 indicates a console based on CSS equipment has no connection to RF resources. This test case indicates that	Action Accepted	P25 CAP Explanation The test requirements will be updated with the suggested footnote.
	it shall be run utilizing GC5 and GC8. GC5 requires the equipment supporting the testing (not the RFSS under test) to be configured to have limited RF resource availability. A footnote should be added stating "GC5 is not applicable when the equipment supporting the testing is a CSS (and not an RFSS with integrated consoles) because a CSS has no RF resources." This comment also applies to Page 23 Table 18 (TDMA test cases).		

#	Comment	Action	P25 CAP Explanation
M5	Page 22 Table 17: CSSI-RFSS FDMA test case 2.3.3.5.1 Unit to Unit Call with Target Availability Check RFSS Tested in U2U3 role.	Accepted	The test requirements will be updated with the suggested footnote.
	In the U2U3 role combination the other system connected to the RFSS under tests' CSSI is required to be the group home. When testing with a CSS (and not an RFSS with integrated consoles) it shouldn't be required to be a group home because it has no RF resources. The group home in this case doesn't matter. We suggest that a footnote be added that states: "When testing with the U2U3 role and a CSS, it is acceptable to have the RFSS under test be the group home.		
	This is also true for 2.3.3.5.5 and 2.3.3.5.7. This entire comment also applies to Page 23 Table 18 TDMA tests except for 2.3.3.5.7.		
M6	Page 22 Table 17: CSSI-RFSS FDMA test case 2.3.8.5.6 Emergency Group Call Request Queued – No Units Roaming, RFSS tested in GC5 role.	Accepted	The test requirements will be updated with the suggested footnote.
	As previously stated in the comment on 2.3.2.5.6, GC5 requires the equipment supporting the testing to be configured to have limited RF resources. And when that equipment is a CSS (and not an RFSS with integrated consoles) this is not possible. A footnote should be added stating "GC5 is not applicable when the equipment supporting the testing is a CSS (and not an RFSS with integrated consoles) because a CSS has no RF resources. This comment also applies to 2.3.8.5.8 with GC5 role. Additionally, this comment also applies to the CSSI-RFSS TDMA test cases in Table 18 on page 24		

#	Comment	Action	P25 CAP Explanation
M7	Page 25 Table 20: CSSI-Console FDMA	Accepted	The test requirements will be updated
	test case 2.3.2.5.12 Group Call Interrupt		with the suggested footnote.
	(Dispatcher Audio Takeover) No Units		
	Roaming – Console tested in GC7 role.		
	GC7 does not seem appropriate for this		
	configuration because (1) it requires the		
	RFSS supporting the testing to have an		
	integrated console (CSU2), and (2) the		
	RFSS/CSS under test requires RF		
	resources for SU1. In fact, when a CSS is		
	under test GC7 isn't applicable because		
	it doesn't have RF resources. It appears		
	that a better choice for 2.3.2.5.12 would		
	be to replace GC7 with GC8. Or, add a		
	footnote that states "When a CSS is		
	under test GC7 is not applicable because		
	a CSS doesn't have RF resources to serve		
	SU1". Additionally, if GC7 is retained a		
	note should be added stating that "GC7		
	is applicable only if the RFSS supporting		
	the testing has an integrated console to		
	serve as CSU2." This comment also		
	applies to the Table 21 Page 27 TDMA		
	tests.		
M8	The comment regarding 2.3.8.5.6 in	Accepted	The test requirements will be updated
	Table 17 also applies to the CSSI-Console		with the suggested footnote.
	FDMA and TDMA test cases in the GC6		
	role (Tables 20 and 21). Test cases		
	2.3.2.5.6, 2.3.8.5.6, and 2.3.8.5.8, when		
	using the GC6 role, require the RFSS/CSS		
	under test to have limited RF resources.		
	As previously indicated, this is not		
	possible with a CSS because a CSS has no		
	RF resources. We suggest a footnote be		
	added for these test cases that states		
	GC6 is not applicable when the		
	equipment under test is a CSS (and not		
	an KESS WITH INTEGRATED CONSOLES)		
M8	it doesn't have RF resources. It appears that a better choice for 2.3.2.5.12 would be to replace GC7 with GC8. Or, add a footnote that states "When a CSS is under test GC7 is not applicable because a CSS doesn't have RF resources to serve SU1". Additionally, if GC7 is retained a note should be added stating that "GC7 is applicable only if the RFSS supporting the testing has an integrated console to serve as CSU2." This comment also applies to the Table 21 Page 27 TDMA tests. The comment regarding 2.3.8.5.6 in Table 17 also applies to the CSSI-Console FDMA and TDMA test cases in the GC6 role (Tables 20 and 21). Test cases 2.3.2.5.6, 2.3.8.5.6, and 2.3.8.5.8, when using the GC6 role, require the RFSS/CSS under test to have limited RF resources. As previously indicated, this is not possible with a CSS because a CSS has no RF resources. We suggest a footnote be added for these test cases that states "GC6 is not applicable when the equipment under test is a CSS (and not an RFSS with integrated consoles) because as CSS has no RF resources".	Accepted	The test requirements will be updated with the suggested footnote.

Comment Date: July 22, 2019 Commenter Name or Company: EFJohnson

E1Linkage of vocoder modes (radio) to ISSI- ISSI/CSSI conveyance – esp. since legacy mode ISSI (full rate only) is BACA supportedSee #4	
mode ISSI (full rate only) is BACA supported	
(full rate only) is BACA supported	
E2market use of unit-to-unit call – and theSee #6	
interoperability potential where	
Availability Check/Direct Call options	
provided	
E3 testing strategy where 'linked See #5	
talkgroups' generally supported in	
customer usage and not	
dependent on roaming devices	
E4 General Comment Accepted/ The P25 CAP ISSI/CSSI interop	erability
Audio data utilized in the ISSI RTP CAB to be testing is based on the ISSI/CS	SI test
exchanges (per BACA) need not be updated procedures outlined in the TIA	۹-
bound to the audio format utilized by 102.CACD-D testing standard.	
the subscriber devices that are FDMA and TDMA testing appl	icability is
communicating with the RF equipment. described in Section 1.6.1 of t	he CACD-D
Consequently, there seems to be a document.	
strong linkage and dependency on the The CACD-D document define	s which
modalities utilized by the radio test suites apply to TDMA, Tal	ole 2.
equipment. This is a restrictive The CACD-D document define	S
limitation that would seem to be subscriber unit as well as RFSS	5
inappropriate for a true ISSI testing configurations to support the	test
treatment. For example, BACA calls for procedures.	
ongoing support for use of legacy IMBE In Section 2.2.6 SU Configurat	ion, it is
media type (initial full rate media type) stated:	
for RTP data exchanges. So independent "Each test suite defines the St	J
of support for phase 2 (nail rate) audio configurations required for ea	ch RFSS
still be RACA compliant for ISSI with	icable to
still be BACA compliant for ISSI with the test suite. The SU may nee	ed to be
(half to/from full rate conversion)	ole
Note – if testing of ISSI use of different	Home
media formats is the objective of the	nght
test report – this should be addressed	n to
specifically. It should be recognized that	tions such
different vendors may have different	n can bo
network linkage or dependencies of	r interface
audio manipulation internal to their	ations

Public Comment Feedback Table for ISSI CSSI Interoperability Testing Requirents CAB

#	Comment	Action	P25 CAP Explanation
	system. For example, current EFJohnson ISSI product utilizes the legacy IMBE media format for audio over RTP. The BACA spec preserves this format and interworking requirement. Further, EFJohnson supports phase 2 half-rate where it can be utilized – data manipulation inside the network makes the full-rate IMBE available for conveyance to ISSI endpoints. In our system, each site will decide whether half-rate is usable based on capabilities of the subscriber and network radios involved. This is all independent of the IMBE usage for ISSI.		defined for each RFSS Role Combination, additional configuration steps may be required to ensure voice channels operate as either FDMA or TDMA." If the equipment that directly supports ISSI or CSSI functionality is not capable of TDMA messages, please request a DHS waiver for the TDMA testing. The Test Requirement CAB will be modified to include the process to request a waiver from testing 'Required Pass' test cases.
E5	General Comment As a matter of network interconnect via ISSI (BACA) links, it is quite customary for agencies to share talkgroups (aka linked talkgroups) on an ongoing basis available for the own home subscribers. This fixed linkage is independent of active roamers affiliated to the group from the Home system operating on a Served system. This permits the cooperating agencies to have talkgroups available for multi-agency use for a variety of reasons. It does appear that testing for Group Registrations are dependent on a subscriber initiating such activities wherein the using agencies typically map these shared talkgroups directly and may have issues following a system restart or failover to recover the registrations. This also involves adjunct equipment in some cases.	Clarification	The TIA ISSI/CSSI testing standard (CACD- D) does not define any testing for a Linked Talkgroup configuration. Thus, DHS has not added linked Talkgroup tests.

#	Comment	Action	P25 CAP Explanation
E6	General Comment	Accepted/	The test cases for Unit-to-Unit Calls is
	It appears that the support for Unit-to-	CAB to be	taken from CACD-D testing document.
	Unit calls comes with the optionality of	updated	The situation that is defined for the
	whether the Availability Check feature is		mismatch between systems that support
	supported or not. Given this optionality		Availability check and those that do not
	- it seems that interoperability would be		is correct. But there is P25 vendor
	questionable. Given two vendors facing		support for both types of Unit to unit
	each other over a customer requested		calls and there has been this type
	ISSI link – what happens if one vendor		multiple test cases of Unit-to-Unit call for
	supports only Availability Check and the		Trunked CAI interoperability testing since
	Other only supports Direct Call? As the		trunking CAI interoperability test started.
	Subscriber Unit configuration is also a		The unit-to-unit test case is a required
	factor in whether the feature is invoked,		pass, either in the availability check
	the possibility that roaming subscribers		mode or the direct call mode.
	may be incompatible with systems		If the equipment under test is not
	onering just one modality could occur		capable of unit-to-unit call of either type,
	and become generally problematic.		please request a DHS waiver from the
	Call service upusable. On a more		TDMA testing.
	general note – we have not seen a major		The Test Requirement CAB will be
	clamor for this feature from our		request a waiver from testing (Pequired
	customers – and we would nominally		Pass' tost cases
	expect to hear it as we presently do not		Fass lest cases.
	provide this feature. It is a very		
	expensive proposition to take an OTA		
	traffic channel and use it for a unit-to-		
	unit voice call. When the two units are		
	in different sites (e.g. on different		
	systems) then you are taking a traffic		
	channel on each. In practical use of a		
	system we do not see this feature being		
	used and would prefer that it be covered		
	as optional.		

#	Comment	Action	P25 CAP Explanation
E7	Re. Section 2.4 this section reiterates that subscriber units are used to drive the testing activities (as previously mentioned explicitly in 2.1, 2.2 and 2.3). There are two tables, nominally differentiated by vocoder modes with expected subscriber capabilities required to support testing the ISSI. These tables differ on three entries (2.2.1.4.2, 2.2.2.4.2 and 2.2.3.4.7). As mentioned previously, the ISSI audio mode does not need to be linked to the audio mode utilized by the radios – why the distinction?	Clarification	The three different entries relate to 'deny' test cases, testing that does not involve a FDMA or TDMA traffic channel, only the control channel. That is why these three test cases only appear in the FDMA table since the testing uses a FDMA control channel.
E8	Re. Section 2.4 The Mobility functions (e.g. driving Unit/Group registration) are similarly somewhat independent of the audio mode used for calls. For example, the Unit Registration CAI (U_REG_REQ) does not specifically associate the audio mode to be utilized – though it does provide info on possible half rate modalities. While interesting, the objective is to test ISSI and not the subscribers. Is it not enough to indicate that subscriber units need to be available that have identifiers for the systems in test environment as covered in section 2.5?	Accepted/ changes to document	The test requirements document will be updated to: FDMA testing of the ISSI and CSSI shall use a full rate vocoder for the SU that initiates testing in the RFSS/CSS under test or the RFSS/CSS supporting the testing. A full rate vocoder shall be used by the ISSI and CSSI. The SU that receives the call in either the RFSS/CSS under test or the RFSS/CSS that supports the testing shall receive a FDMA transmission. TDMA testing of the ISSI and CSSI shall use a half rate vocoder for the SU that initiates testing in the RFSS/CSS under test or the RFSS/CSS supporting the testing. A half rate vocoder shall be used by the ISSI and CSSI. The SU that receives the call in either the RFSS/CSS under test or the RFSS/CSS supporting the testing. A half rate vocoder shall be used by the ISSI and CSSI. The SU that receives the call in either the RFSS/CSS under test or the RFSS/CSS that supports the testing shall receive a TDMA transmission. The section 2.5 outlines role combinations. It is broken out by ISSI CSSI test cases and is not intended to define the capabilities of the SUs used for testing.