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List of Abbreviations (Editor:)

A	Applicable
AR	Augmented Reality
CS	Content Distribution Streaming Services
CV	Connected Vehicles
D	Downgraded
ES	Emergency Services
GA	Gaming
HS	High Speed Internet
LS	Live Streaming Services

N	Non-Applicable
P	Provisional
PM	Patient Monitoring
SG	Smart Grids
SM	Smart Metering
SN	Social Networking
TCRL	Test Case Reference List
VR	Virtual Reality



1 Introduction

The TCRL includes the list of test cases included in the Triangle Certification Program and the requirement to execute or not each single test case for a specific Triangle Certification Program release.

Every test case inside the TCRL is assigned a test category that defines testing requirements for that specific test case.

Test Case Reference List releases are published periodically by TRIANGLE.

The TCRL provides this information for each test case:

- Test case Identifier: As defined in its Test Specification.
- Test case title: As defined in its Test Specification.
- Test case category: Current test case category (see Table 1).
- Previous Test case category: Test case category in the previous TCRL release.
- Initial date: Date when the test case was initially introduced in the TCRL as a requirement (Category A).
- Notes: Any note related to the test case category

The table below list the possible test case categories:

Table 1 – Triangle Test Case categories

Category	Description
<i>P</i>	The test case has been included in a TRIANGLE Test Specification and it is intended to be used for product certification in the future. Currently the test case is not a TRIANGLE requirement because it has not been implemented yet or the implementation has not been validated by TRIANGLE.
<i>A</i>	The test case is required for TRIANGLE certification.
<i>D</i>	The test case was previously required for TRIANGLE certification, but it is not currently required due to an issue with the test case. The test case will be a requirement again as soon as the issue is solved.
<i>N</i>	The test case was required for TRIANGLE certification in the past but it is not a requirement any longer.



2 TRIANGLE TCRL

Test case	Test case title	Category	Previous Category	Initial date	Notes
AUE/CO/001	Open the AUT	P	-	-	-
AUE/CO/002	Menu Navigation	P	-	-	-
AUE/CS/001	Non Interactive Playback	P	-	-	-
AUE/CS/002	Play and Pause	P	-	-	-
AUE/CS/003	Stop and Replay	P	-	-	-
AUE/CS/004	Search and Seek	P	-	-	-
AUE/CS/005	Rewind and Fast Forward	P	-	-	-
AUE/CS/006	Playlist Skip Forward and Backward	P	-	-	-
AUE/CS/007	Download content for offline playing	P	-	-	-
AUE/LS/001	Play Live Video from User	P	-	-	-
AUE/LS/002	Broadcast Live Video	P	-	-	-
AUE/SN/001	Picture Posting	P	-	-	-
AUE/SN/002	Video Posting	P	-	-	-
AUE/SN/003	Comment Posting	P	-	-	-
AUE/SN/004	File Posting	P	-	-	-
AUE/SN/005	Show Picture	P	-	-	-
AUE/SN/006	Play Video	P	-	-	-
AUE/SN/007	File Downloading	P	-	-	-
AUE/SN/008	Play Live Video from User	P	-	-	-
AUE/SN/009	Search Object	P	-	-	-
AUE/HS/001	File Downloading	P	-	-	-
AUE/HS/002	File Uploading	P	-	-	-
AUE/HS/003	Pause and Resume Download Transfer	P	-	-	-
AUE/HS/004	Pause and Resume Upload Transfer	P	-	-	-
AUE/VR/001	Virtual Experience Loading	P	-	-	-
AUE/VR/002	Virtual Scene Loading	P	-	-	-
AUE/AR/001	Load Augmentation Layer on Physical Marker	P	-	-	-
AUE/AR/002	Load Augmentation Layer at Location	P	-	-	-



Test case	Test case title	Category	Previous Category	Initial date	Notes
AUE/GA/001	Start new game sessions	P	-	-	-
AUE/GA/002	Game session ongoing	P	-	-	-
AUE/GA/003	Pause and Resume	P	-	-	-
AUE/GA/004	Start saved game session	P	-	-	-
RES/CO/001	Host Device use of resources	P	-	-	-
RES/CO/002	Open the AUT	P	-	-	-
RES/CO/003	Background state	P	-	-	-
RES/CS/001	Non Interactive Playback	P	-	-	-
RES/CS/002	Pause	P	-	-	-
RES/CS/003	Rewind and Fast Forward	P	-	-	-
RES/CS/004	Download content for offline playing	P	-	-	-
RES/CS/005	Non interactive Playback with screen off	P	-	-	-
RES/LS/001	Play Live Video from User	P	-	-	-
RES/LS/002	Broadcast Live Video	P	-	-	-
RES/LS/003	Broadcast Live Video with screen off	P	-	-	-
RES/SN/001	Picture Posting	P	-	-	-
RES/SN/002	Video Posting	P	-	-	-
RES/SN/003	File Posting	P	-	-	-
RES/SN/004	Show Picture	P	-	-	-
RES/SN/005	Play Video	P	-	-	-
RES/SN/006	File Downloading	P	-	-	-
RES/HS/001	Downloading files sequentially	P	-	-	-
RES/HS/002	Uploading files sequentially	P	-	-	-
RES/HS/003	Downloading several files simultaneously	P	-	-	-
RES/HS/004	Uploading several files simultaneously	P	-	-	-
RES/HS/005	Downloading a file with screen off	P	-	-	-
RES/HS/006	Uploading a file with screen off	P	-	-	-
RES/VR/001	Virtual Experience Loading	P	-	-	-
RES/VR/002	Virtual Scene Loading	P	-	-	-
RES/AR/001	Load Augmentation Layer on Physical Marker	P	-	-	-
RES/AR/002	Load Augmentation Layer at Location	P	-	-	-



Test case	Test case title	Category	Previous Category	Initial date	Notes
RES/AR/003	Augmented reality Session	P	-	-	-
RES/GA/001	Start game session	P	-	-	-
RES/GA/002	Short game session	P	-	-	-
RES/GA/003	Long game session	P	-	-	-
AEC/CO/001	AUT not running	P	-	-	-
AEC/CO/002	Open the AUT	P	-	-	-
AEC/CO/003	Background state	P	-	-	-
AEC/CS/001	Non Interactive Playback	P	-	-	-
AEC/CS/002	Pause	P	-	-	-
AEC/CS/003	Rewind and Fast Forward	P	-	-	-
AEC/CS/004	Download content for offline playing	P	-	-	-
AEC/CS/005	Non interactive Playback with screen off	P	-	-	-
AEC/LS/001	Play Live Video from User	P	-	-	-
AEC/LS/002	Broadcast Live Video	P	-	-	-
AEC/LS/003	Broadcast Live Video with screen off	P	-	-	-
AEC/SN/001	Picture Posting	P	-	-	-
AEC/SN/002	Video Posting	P	-	-	-
AEC/SN/003	File Posting	P	-	-	-
AEC/SN/004	Show Picture	P	-	-	-
AEC/SN/005	Play Video	P	-	-	-
AEC/SN/006	File Downloading	P	-	-	-
AEC/HS/001	Downloading files sequentially	P	-	-	-
AEC/HS/002	Uploading files sequentially	P	-	-	-
AEC/HS/003	Downloading several files simultaneously	P	-	-	-
AEC/HS/004	Uploading several files simultaneously	P	-	-	-
AEC/HS/005	Downloading a file with screen off	P	-	-	-
AEC/HS/006	Uploading a file with screen off	P	-	-	-
AEC/VR/001	Virtual Experience Loading	P	-	-	-
AEC/VR/002	Virtual Scene Loading	P	-	-	-
AEC/AR/001	Load Augmentation Layer on Physical Marker	P	-	-	-
AEC/AR/002	Load Augmentation Layer at Location	P	-	-	-



Test case	Test case title	Category	Previous Category	Initial date	Notes
AEC/AR/003	Augmented reality Session	P	-	-	-
AEC/GA/001	Start game session	P	-	-	-
AEC/GA/002	Short game session	P	-	-	-
AEC/GA/003	Long game session	P	-	-	-
DRA/CO/001	Open the AUT	P	-	-	-
DRA/CO/002	Menu Navigation	P	-	-	-
DRA/CS/001	Non Interactive Playback	P	-	-	-
DRA/CS/002	Play and Pause	P	-	-	-
DRA/CS/003	Stop and Replay	P	-	-	-
DRA/CS/004	Search and Seek	P	-	-	-
DRA/CS/005	Rewind and Fast Forward	P	-	-	-
DRA/CS/006	Playlist Skip Forward and Backward	P	-	-	-
DRA/CS/007	Download content for offline playing	P	-	-	-
DRA/LS/001	Play Live Video from User	P	-	-	-
DRA/LS/002	Broadcast Live Video	P	-	-	-
DRA/SN/001	Picture Posting	P	-	-	-
DRA/SN/002	Video Posting	P	-	-	-
DRA/SN/003	Comment Posting	P	-	-	-
DRA/SN/004	File Posting	P	-	-	-
DRA/SN/005	Show Picture	P	-	-	-
DRA/SN/006	Play Video	P	-	-	-
DRA/SN/007	File Downloading	P	-	-	-
DRA/SN/008	Play Live Video from User	P	-	-	-
DRA/SN/009	Search Object	P	-	-	-
DRA/HS/001	File Downloading	P	-	-	-
DRA/HS/002	File Uploading	P	-	-	-
DRA/HS/003	Pause and Resume Download Transfer	P	-	-	-
DRA/HS/004	Pause and Resume Upload Transfer	P	-	-	-
DRA/VR/001	Virtual Experience Loading	P	-	-	-
DRA/VR/002	Virtual Scene Loading	P	-	-	-
DRA/AR/001	Load Augmentation Layer on Physical Marker	P	-	-	-



Test case	Test case title	Category	Previous Category	Initial date	Notes
DRA/AR/002	Load Augmentation Layer at Location	P	-	-	-
DRA/GA/001	Start new game sessions	P	-	-	-
DRA/GA/002	Game session ongoing	P	-	-	-
DRA/GA/003	Pause and Resume	P	-	-	-
DRA/GA/004	Start saved game session	P	-	-	-
IEC/CO/001	IUT in idle mode	P	-	-	-
IEC/ES/001	Send video streaming	P	-	-	-
IEC/ES/002	Send Audio streaming	P	-	-	-
IEC/ES/003	Receive video streaming	P	-	-	-
IEC/ES/004	Receive audio streaming	P	-	-	-
IDP/CO/001	IUT in idle mode	P	-	-	-
IDP/ES/001	Send video streaming	P	-	-	-
IDP/ES/002	Send Audio streaming	P	-	-	-
IDP/ES/003	Receive video streaming	P	-	-	-
IDP/ES/004	Receive audio streaming	P	-	-	-
IDR/ES/001	Send video streaming	P	-	-	-
IDR/ES/002	Send Audio streaming	P	-	-	-
IDR/ES/003	Receive video streaming	P	-	-	-
IDR/ES/004	Receive audio streaming	P	-	-	-
IDR/ES/005	Power failure when sending video streaming	P	-	-	-