| Test Case-06 |
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| **Test Name**: RJIL-IP-QA-DS-SYS-006 |
| **Test Objective**: To check support of IEEE 802.1Q - VLAN tagging & identification. |
| **Test Configuration:**

Vlan "VLAN ID"

interface GigaEthernet0/3
switchport mode trunk
switchport trunk vlan-allowed "VLAN ID"
!
interface GigaEthernet0/1
switchport mode trunk
switchport trunk vlan-allowed "VLAN ID"

!
interface GigaEthernet0/2
switchport mode trunk
switchport trunk vlan-allowed "VLAN ID"

! |
| **Test Set up (Including Pre requisites):** Switch , ECR1,ECR2,IXIA |
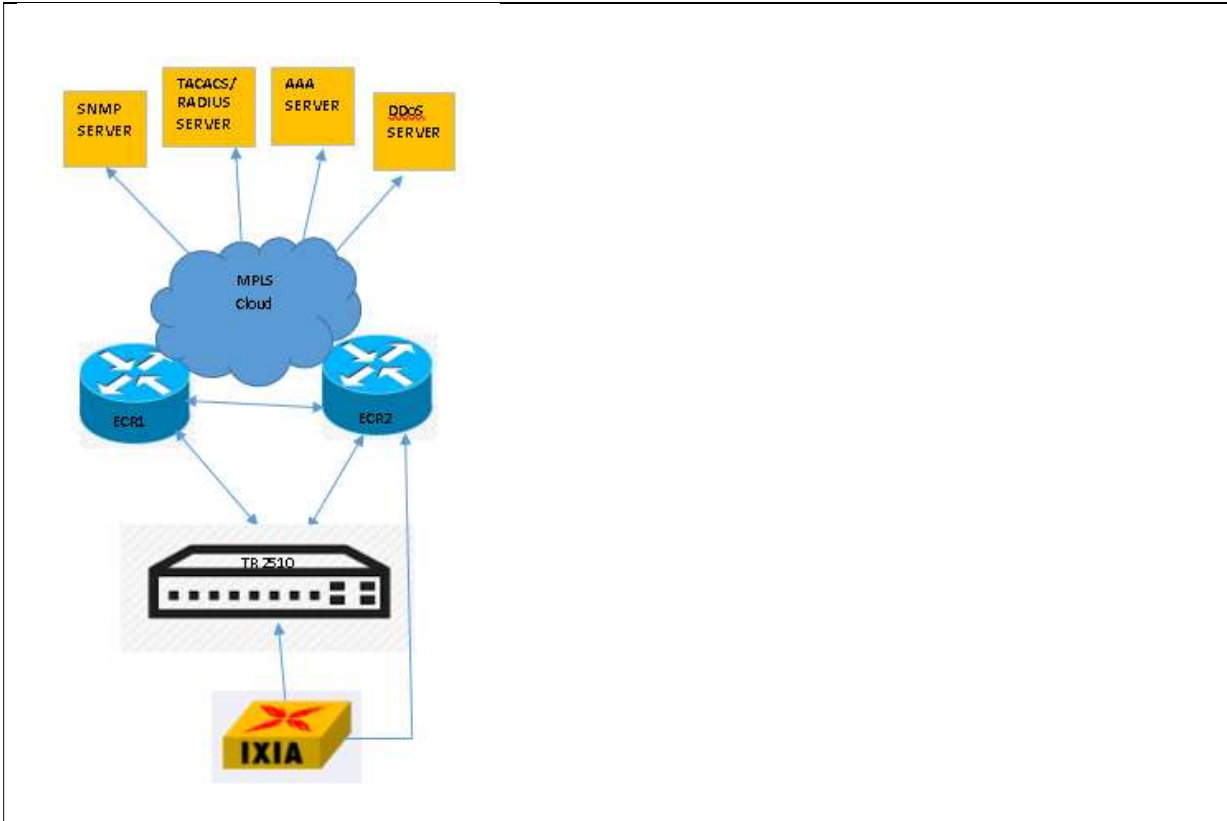
Procedure: Connect switch to ECR1,ECR2 and IXIA

			Response:
Action :	Generate tagged traffic with vlan 333 from IXIA towards Switch. show mac address-table vlan 333	**1**	Tagged traffic from IXIA to be passed from the switch towards the uplink device on the uplink ports.

Expected Result: Switch should be able to forward tagged traffic from IXIA towards uplink ports

Actual Result: Switch#show mac address-table vlan 333

   Mac Address Table (Total 2)

Vlan	Mac Address	Type	Ports
333	0000.1dc9.fdb9	DYNAMIC	g0/3
333	0000.1dc9.fdba	DYNAMIC	g0/1

```
Switch#show run int g0/1

Building configuration...


Current configuration:
!
interface GigaEthernet0/1
 switchport enhanced-link
 switchport trunk vlan-allowed 111,333,883
 switchport mode trunk
 ethernet cfm ENABLE
 ethernet cfm mep add mdnf STRING mdn east manf STRING man east mepid 1
 ethernet cfm mep ENABLE mdnf STRING mdn east manf STRING man east mepid 1
 erps 1 ring-port
 erps 1 cfm-disable
 erps 1 mep down md east ma east level 7 local 1 remote 2
Switch#
Switch#
Switch#show run int g0/3
Building configuration...


Current configuration:
!
interface GigaEthernet0/3
 switchport trunk vlan-allowed 111,333-334,883
 switchport mode trunk
Switch#
```