



Reflective Relay Mode - Discussion

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Current Text

- Allows VEB-only configuration in two ways
 - A) ReflectiveRelayMode = Not Supported
 - B) ReflectiveRelayMode = User and adminReflectiveRelayRequest = FALSE
- This is problematic if one declares User mode and can't support VEPA
- BUT
 - Current wording requires using User mode
 - Sections 5.20, 3.14
 - And PICS makes Mandatory
- So, stepping back to review requirements

Roles, Responsibilities and Status

- Role bits:
 - P = Provider
 - U = User
- Provider Capability
 - N = Non-Reflective
 - R = Reflective Relay
- User Request
 - N = Non-Reflective
 - R = Reflective Relay
- Status bits:
 - N = Non-Reflective
 - R = Reflective Relay

	Bridge	Station
Role	P	U
Capability	N, R	
Request		N, R
Status	N, R	N, R

EVB TLV Information Exchanged

NOTE: EVB TLV contains 3 bits for this: {Req/Cap, Status, Role}

Station

{Request, Status, Role}

{N, N, U} = VEB mode

{R, N, U} = ILLEGAL: Can Create a

~~{R, R, U}~~ = VEPA mode

{N, R, U} = Isolated VEPA mode

Note: Station has administrative control over Request and Status bits – can set them anytime

Bridge

{Capability, Status, Role}

{N, N, P} = non-RR bridge

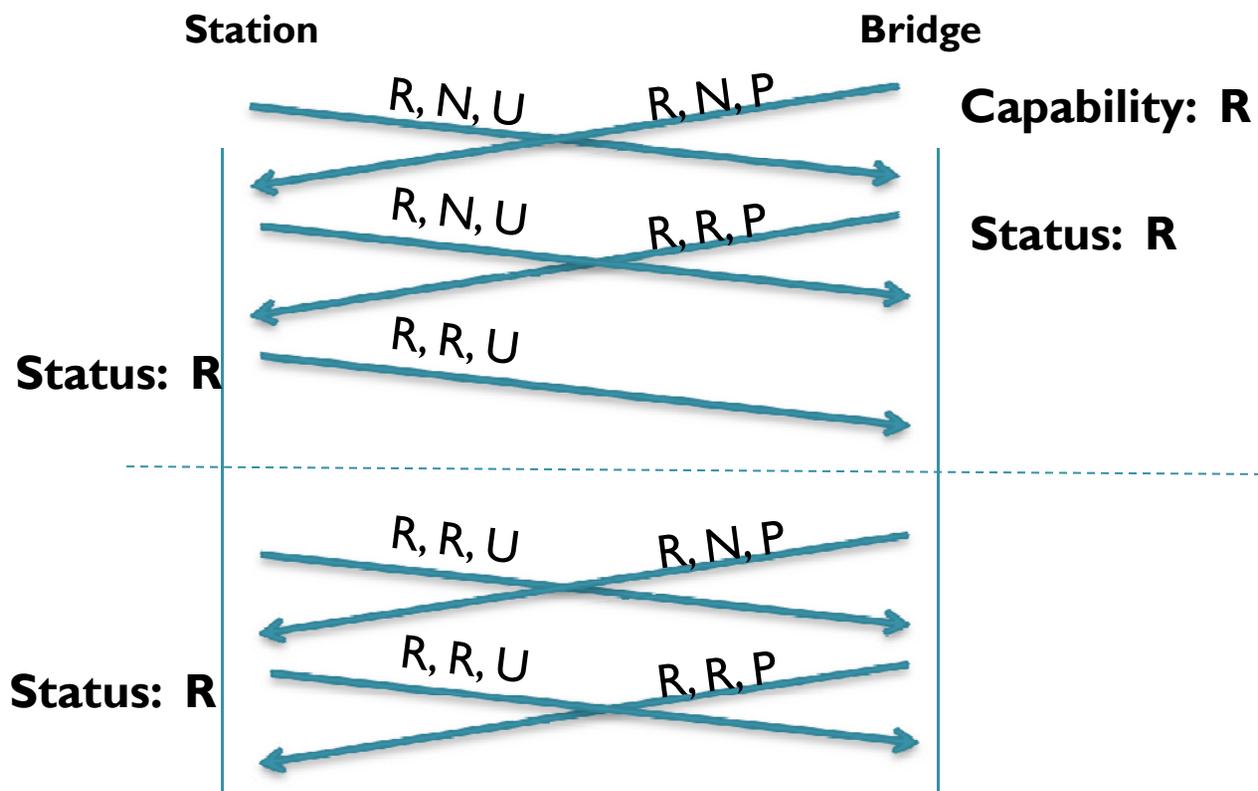
{R, N, P} = RR capable bridge, currently

~~{R, R, P}~~ = RR bridge talking to a VEPA

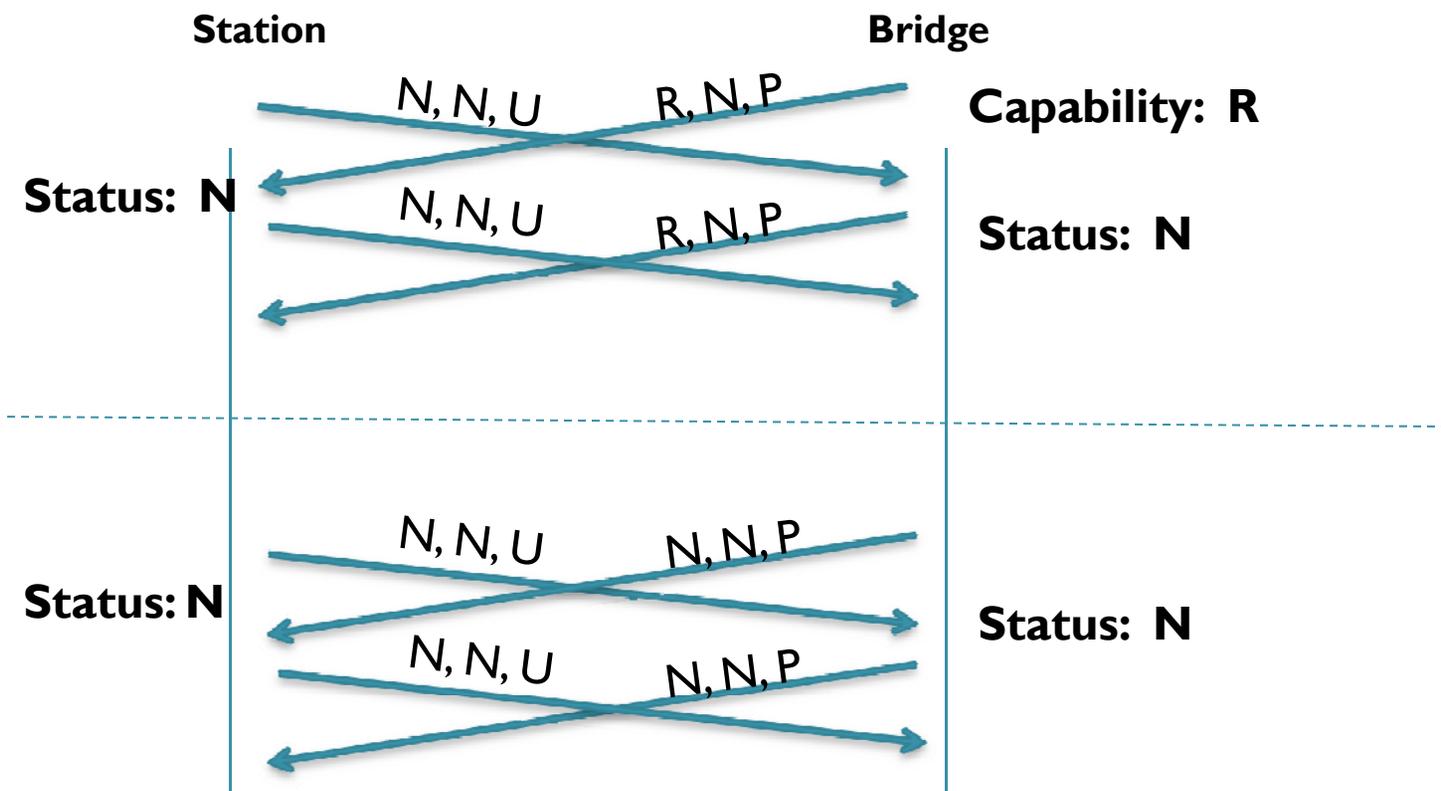
{N, R, P} = N/A – Can't occur

Note: Status depends on station's request and bridges capability. Forwarding blocked if User role requests VEPA, but isn't in VEPA mode

EVB TLV (RR) Diagram – VEPA mode



EVB TLV (RR) Diagram – VEB mode



EVB TLV (RR) Diagram – Isolated VEPA mode

