

# P802.1DD

## Comment 27 – Discussion

# Startup

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2026-03-11

v01

# Comment 27

## Comment text:

Explanation could be expanded to explicitly cover the case of receiving a MSRPDU and thus disabling LRP?

## Related text in 1DD d1.4

### **1 6.3.10.1 Startup**

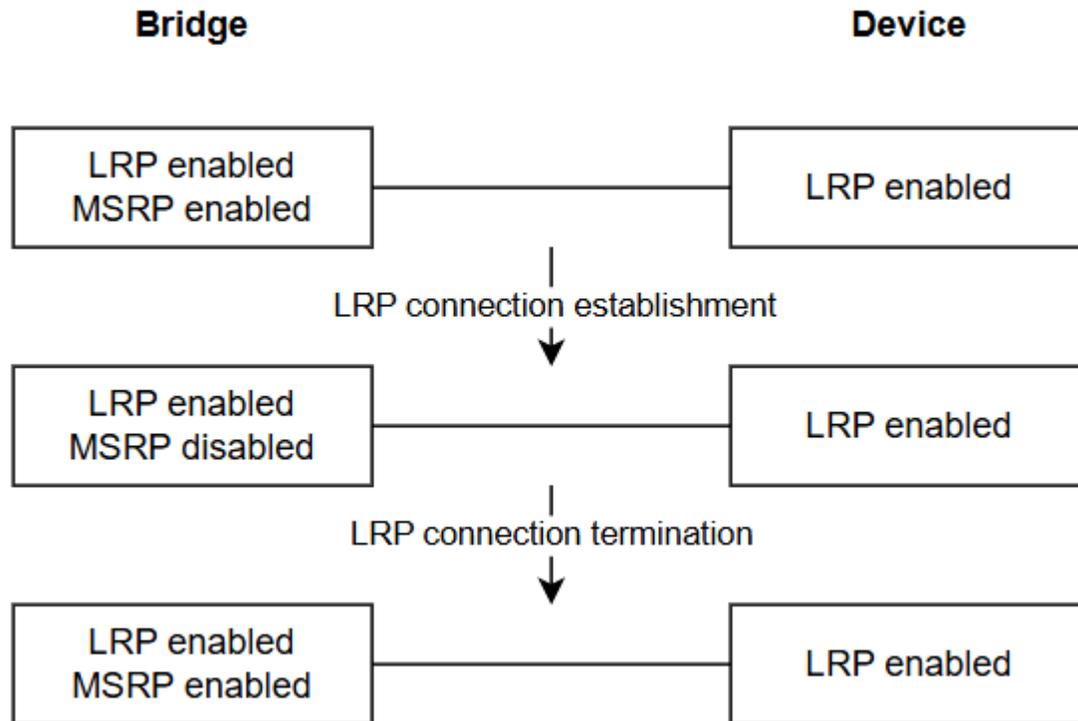
2 If both MSRP and LRP are enabled for a Bridge Port, MSRP domain attributes are sent and an LRP-Portal is  
3 started. Either MSRP or RAP Talkers and Listener are accepted at on Bridge Port. If an LRP-Portal is  
4 established for a Bridge Port, MSRP support is disabled for this Bridge Port.

5 Dependent on the connected devices to a Bridge Port, either MSRP or LRP is activated on that Bridge Port.

# Background

It is not supported to have LRP and MSRP communication on one Port at the same time

# Connection of LRP-only device

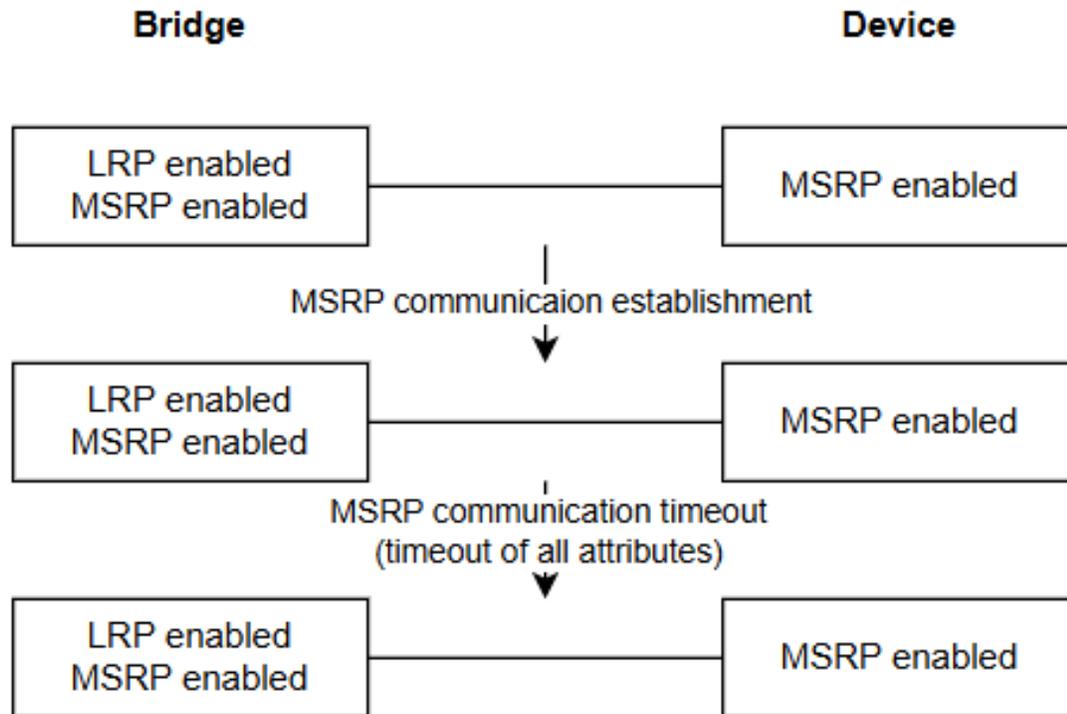


- After startup, both, LRP and MSRP are enabled in the bridge  
→ LRP or MSRP connection can be established

- After detection of LRP disconnection, MSRP is enabled in the bridge again

-> No problem

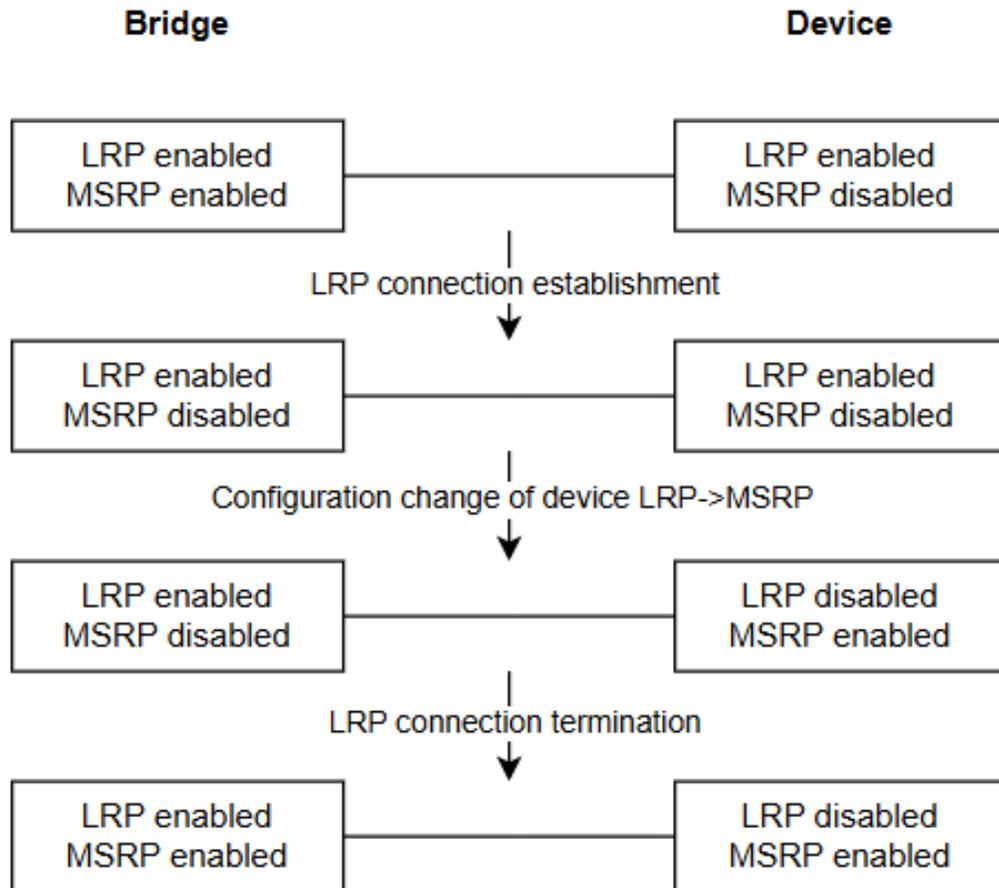
# Connection of MSRP-only device (as specified currently in 1DD d1.4)



- After startup, both, LRP and MSRP are enabled in the bridge  
→ LRP or MSRP connection can be established
- Both, LRP and MSRP is always enabled in the bridge

-> No problem

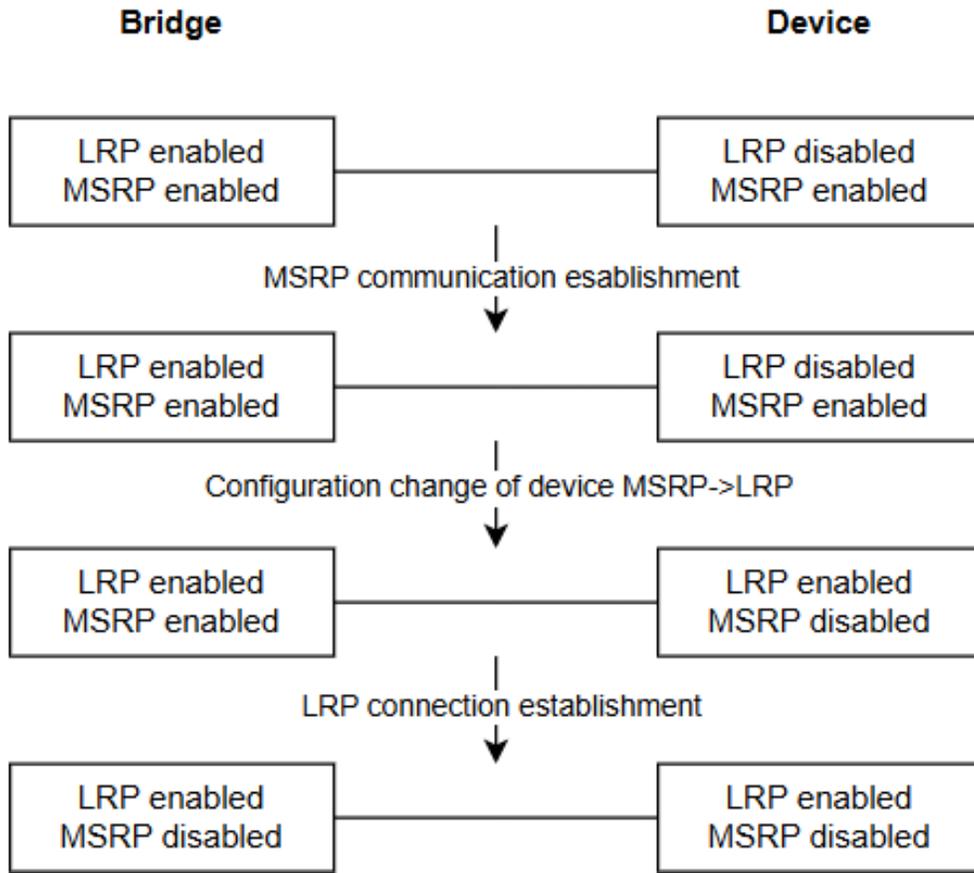
# Connection of mixed-mode device (configuration change LRP -> MSRP)



- After configuration change from LRP to MSRP, the LRP connection is terminated and thus MSRP reactivated in the bridge

-> No problem

# Connection of mixed-mode device (configuration change MSRP -> LRP)



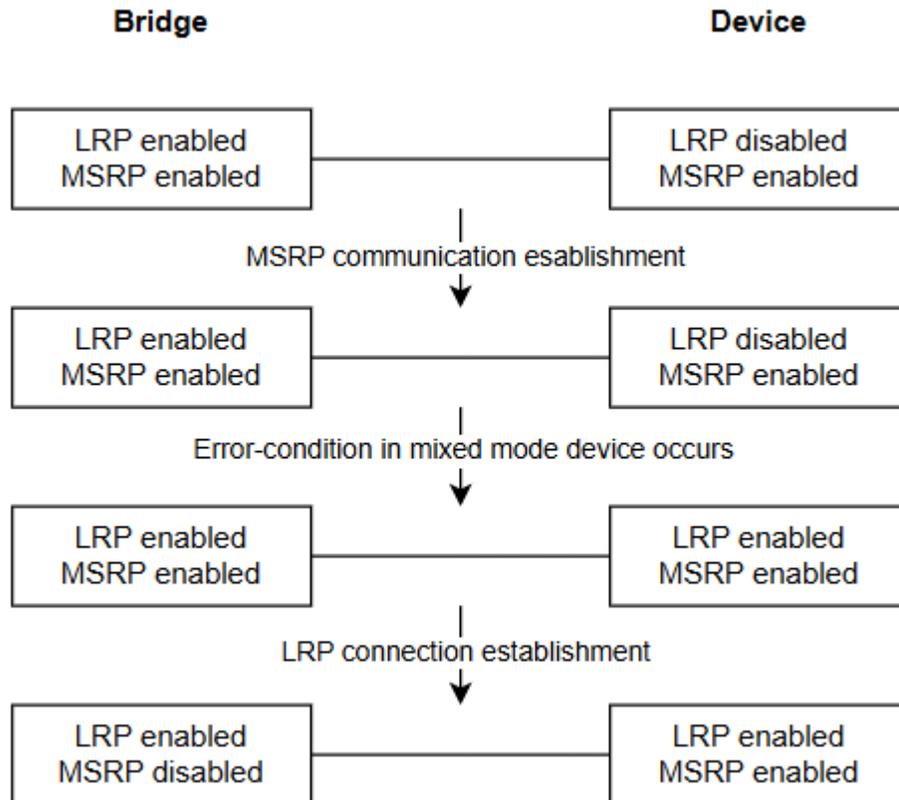
- After configuration change from MSRP to LRP, an LRP connection establishment is issued by the device
- This leads to termination of currently active MSRP communications by the bridge

-> No problem

# What even could cause a problem?

- Only erroneous mixed mode devices that start LRP communication while already doing MSRP communication can cause issues

# Erroneous mixed-mode device (activating both, MSRP and LRP)

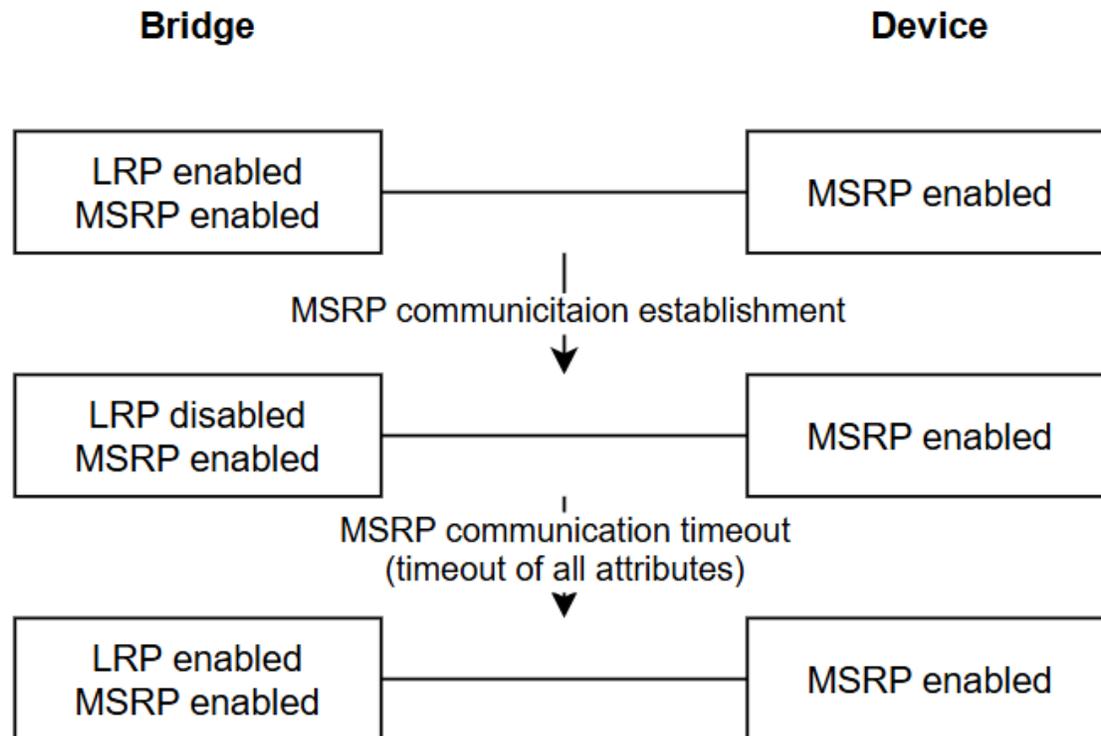


- A mixed-mode device starts MSRP communication
  - Additionally the devices tries to establish an LRP connection
- > This is not allowed and leads to termination of all active MSRP attributes

# Possible prevention of this problem

- Disabling LRP for this port in the bridge in case that MSRP communication is started could prevent this issue
- But there is no easy possibility to detect if the MSRP communication is no longer needed
  - -> timeout of all MSRP attributes could be one solution

# Disabled LRP in the bridge in case of MSRP communication



- Disabling of LRP in case of MSRP communication establishment would solve the problem
- But there is additional complexity in the bridge to detect timeouts of MSRP attributes

# Question

- Is it necessary to add the complexity of timeout-detection of MSRP attributes?
- Or would it be sufficient to add a note to the draft:

“Establishing an LRP connection to a bridge that currently uses MSRP on this port leads to termination of all MSRP attributes on this port”

# Questions?