

1. Hello join message or null message

Message Type
1 byte
JOIN or NULL

Example,

Message Type
1 byte
1

2. Hello periodic message

Message Type
1 byte
PERIODIC

Example,

Message Type
1 byte
2

3. VID Advertisement

Message Type	OPERATION	NUMBER OF VIDS	Path Cost	VID+Egress port
1 byte	1 byte	1 byte	1 byte	12 bytes
VID_ADV	ADD/ DELETE	<number>	<path_cost>	Derived VID

Operation,
 ADD - 1
 DEL - 2

Example for ADD, with one VID advertisement.

Message Type	OPERATION	NUMBER OF VIDS	Path Cost	VID+Egress port
1 byte	1 byte	1 byte	1 byte	12 bytes
3	1	1	<path_cost>	Derived VID

Example for ADD, with 'n' VID advertisements

Message Type	OPERATION	NUMBER OF VIDS	Path Cost	VID +Egress port	...	Path Cost	VID +Egress port
1 byte	1 byte	1 byte	1 byte	12 bytes	...	1byte	12 bytes
3	1	n	1st path_cost	1st Derived VID	...	n path_cost	nth Derived VID

Example for DEL, with one VID advertisement.

Message Type	OPERATION	NUMBER OF VIDS	Path Cost	VID+Egress port
1 byte	1 byte	1 byte	1 byte	12 bytes
3	2	1	<path_cost>	Derived VID

Example for DEL, with 'n' VID advertisements

Message Type	OPERATION	NUMBER OF VIDS	Path Cost	VID +Egress port	...	Path Cost	VID +Egress port
1 byte	1 byte	1 byte	1 byte	12 bytes	...	1byte	12 bytes
3	1	n	1st path_cost	1st Derived VID	...	n path_cost	nth Derived VID