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**IANA Registry for P-Multicast Service Interface Tunnel Attribute Flags
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Abstract

[RFC6514](#) defines the "P-Multicast Service Interface Tunnel (PMSI Tunnel) attribute". This attribute contains an octet of "flags". Only one flag is defined in that RFC, but there is now a need to define additional flags. Since the RFC did not create a registry for the assignment of flag bits, this document updates the RFC by creating a registry for that purpose.

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1. Introduction

[RFC6514] defines the "P-Multicast Service Interface Tunnel (PMSI Tunnel) attribute". This attribute contains an octet of "flags". Only one flag is defined in that RFC, but there is now a need to define additional flags. Since the RFC did not create a registry for the assignment of flag bits, this document creates a registry for that purpose.

2. IANA Considerations

IANA is requested to create a new registry called "P-Multicast Service Interface Tunnel (PMSI Tunnel) Attribute Flags" in the "Border Gateway Protocol (BGP) Parameters" registry.

Per [RFC6514] section 5, a PMSI Tunnel Attribute contains a "Flags" octet. The Flags field is a single octet, with bits numbered, left-to-right, from 0 to 7. IANA is requested to initialize the registry as follows:

Bit Position (left to right)	Description	Reference
0	unassigned	
1	unassigned	
2	unassigned	
3	unassigned	
4	unassigned	
5	unassigned	
6	unassigned	
7	Leaf Information Required (LIR)	RFC6514

PMSI Tunnel Attribute Flags

The registration procedure for this registry is Standards Action.

3. Security Considerations

No security considerations are raised by this document.

4. Normative References

[RFC6514] Aggarwal, R., Rosen, E., Morin, T., and Y. Rekhter, "BGP Encodings and Procedures for Multicast in MPLS/BGP IP VPNs", [RFC 6514](#), February 2012.

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