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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.

## Status of This Memo

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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:

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PMSI Tunnel Attribute Flags

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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)	<a href="#">RFC6514</a>

### 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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