

# BGP Update for 5G Edge Service Metadata

**draft-ietf-idr-5g-edge-service-metadata-05**

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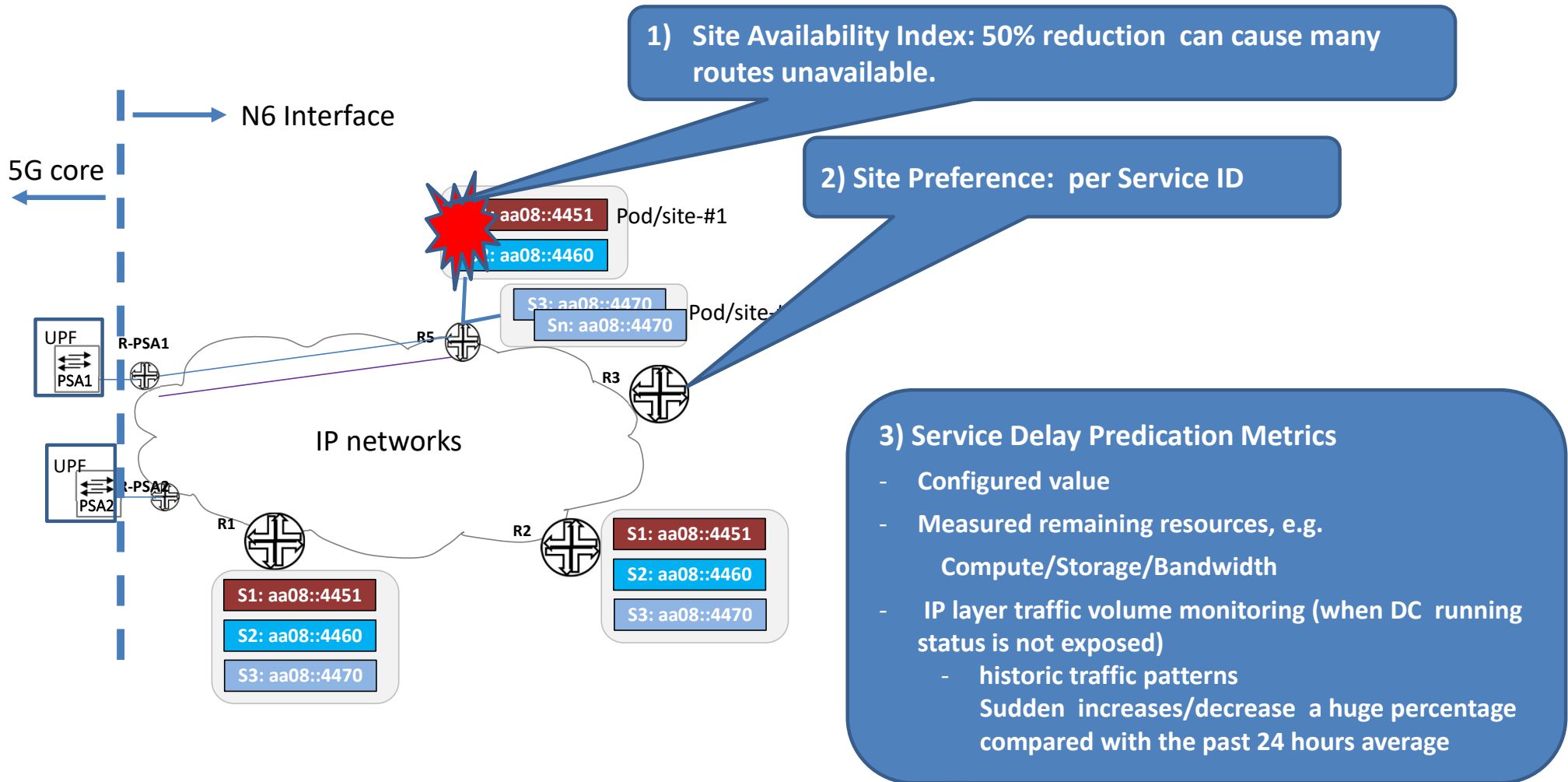
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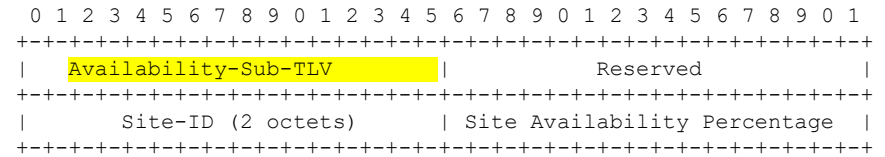
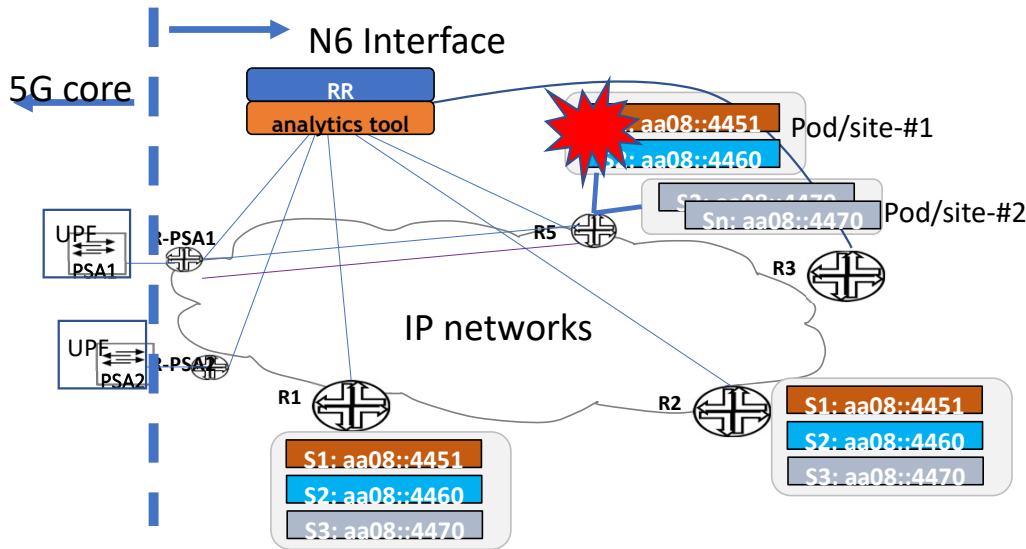
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# 5G Edge Service Metadata – Key Points



# Site Availability Index: Sub-TLV



- **Site ID:** identifier for a site, which can be one pod, one row of server racks, one floor, or entire DC site. One site can host many service instances. Multiple Sites → one egress router (a.k.a. Edge DC GW)
- **Site Availability Percentage:** represent the percentage of the site availability, e.g., 100%, 50%, or 0%. When a site goes dark, the Index is set to 0. 50 means 50% capacity functioning.

**The Site Availability Idx can be used to de-prefer the paths for the group of the routes identified by the Site-ID.**  
 When Site Availability Index = 0, All the routes to this site would be un-reachable.

# IANA Registry

- A new path attribute from the "BGP Path Attributes" registry. The symbolic name of the attribute is "Metadata".

Value	Description	Reference
TDB	Metadata Path Attribute	[this document]

- **Metadata Path Attribute Sub-Types**
  - Registration Procedure: Expert Review

Sub-Type	Description	Reference
0	reserved	[this document]
1	Site Preference Index	[this document]
2	Site Availability Index	[this document]
3	Service Delay Predication	[this document]
4	Raw Load Measurement	[this document]
5-254	unassigned	[this document]
255	reserved	[this document]

## Next Step

- Ask for more comments from the WG
- Please come to us at the end of IDR session.