

Conditional Attributes for Constrained RESTful Environments

draft-ietf-core-conditional-attributes

(<https://github.com/core-wg/conditional-attributes>)

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Updates

- Draft moved up from -02 to -04
- Main changes
 - Update to the reference code
 - Update to parameter names to avoid name clashes

Updated reference code

- In Section 3.3 Server processing of Conditional Attributes:

```
#define EDGE EXISTS(r->edge)
#define BAND EXISTS(r->band)
```

```
#define VB_EDGE ( r->vb && r->edge || !r->vb && !r->edge )
```

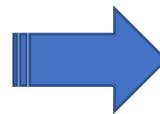
```
return (
    PMIN_EX &&
```

```
    : BOOLEAN_TYPE ?
      ( ( !EDGE && VB_CHANGE ) ||
        ( EDGE && VB_CHANGE && VB_EDGE ) ||
        PMAX_EX )
    : false )
);
```

Updated Query Parameter Names

- WG comments that some conditional attribute names would clash with similarly named parameters used in other contexts
- Most straightforward way was to amend the attribute names slightly

| Attribute | Parameter | Value | Reference |
|-------------------------------|-----------|-----------------|-----------|
| Minimum Period (s) | pmin | xs:decimal (>0) | This memo |
| Maximum Period (s) | pmax | xs:decimal (>0) | This memo |
| Minimum Evaluation Period (s) | epmin | xs:decimal (>0) | This memo |
| Maximum Evaluation Period (s) | epmax | xs:decimal (>0) | This memo |
| Confirmable Notification | con | xs:boolean | This memo |
| Greater Than | gt | xs:decimal | This memo |
| Less Than | lt | xs:decimal | This memo |
| Change Step | st | xs:decimal (>0) | This memo |
| Notification Band | band | (none) | This memo |
| Edge | edge | xs:boolean | This memo |



| Attribute | Parameter | Value | Reference |
|-------------------------------|-----------|-----------------|-----------|
| Minimum Period (s) | c.pmin | xs:decimal (>0) | This memo |
| Maximum Period (s) | c.pmax | xs:decimal (>0) | This memo |
| Minimum Evaluation Period (s) | c.epmin | xs:decimal (>0) | This memo |
| Maximum Evaluation Period (s) | c.epmax | xs:decimal (>0) | This memo |
| Confirmable Notification | c.con | xs:boolean | This memo |
| Greater Than | c.gt | xs:decimal | This memo |
| Less Than | c.lt | xs:decimal | This memo |
| Change Step | c.st | xs:decimal (>0) | This memo |
| Notification Band | c.band | (none) | This memo |
| Edge | c.edge | xs:boolean | This memo |

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Thank you!