General differences between RPSL capable database and current implementation

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Perspectives

- users perspective
- tool developers perspective

Users perspective

- comments are allowed everywhere in the object:

  phone: +1 (310) 822 1510 ext 170 # work

  OR

  admin-c: DK13-RIPE # contact only as last resort

  - remarks: attribute is less needed
  - no reordering problems for remarks

Users perspective

- Line continuation
  - RFC822 style, next line starts with spaces, line stored as sent in

    ```
    tunnel:     IPv6 in IPv4
                carmen.cselt.it -> pegaso.na.cnr.it
                CIB-NACNR STATIC
    ```

  - '\' line continuation still possible (and bugs are fixed), line is concatenated before storing

Users perspective

- mnt-(by|lower):
  - now a comma separated list:

    mnt-by: RIPE-NCC-MNT,
    AS3333-MNT
  - consistent with other attributes that also require a list of items
  - database will continue to accept old format but make it a comma separated list

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Users perspective

- descr:
  - now single attribute:

    descr: descr lines are now stored
    in one attribute using
    line continuation

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Users perspective

- mnt-by: is required for every object
  - do we want this?
  - proposal: either notify/mnt-by required
    special case: e-mail will act as notify when notify not present

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Tools developers perspective

- object readers need to be adapted for line continuation
- comments can be in your way when you expect a specific format (nasty!)
  - Fix:

    add comment removal and line concatenation support for the new style line continuations to the '-F' option