

# TVR Use Cases Update

[draft-ietf-tvr-use-cases](#)

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# Current use cases

- Resource Preservation

Resource constraints: power, thermal, storage etc.. Scheduled link/node on-off.

- Operating Efficiency

Severe cost usage varying over time. Scheduled link cost, data transmission.

- Mobile Devices

Motion related changes: path predictable. Link on-off, path cost/bandwidth change, adjacency change.

# Comments from the list

- Tidal Network  
Network topology change caused by specific traffic pattern. Operating efficiency , or resource preservation?
- Satellite other than LEO, Inter constellation communication
- Mobile Device Vs. Dynamic Reachability
- Predictable mobile nodes, such as commercial cruise ships, airplanes.

# What SHOULD not be covered by TVR?



Mobile end user devices, e.g., smartphones



Unpredictable mobility, e.g., vehicle to vehicle



Unplanned topology change, e.g., a network node failure

# Impacts to the network – abstract level

No intention to list all use cases, but enough examples to cover the following impacts to the network:

- Node: on/off, change location
- Link: on/off, attributes (cost, delay etc.)
- Neighbor changes
- Predictable traffic pattern (Not covered yet)

# Next steps

- Update the draft addressing the comments
- Reviews and comments are welcome

*Thanks!*