

# TVR (Time-Variant Routing) Requirements

[draft-ietf-tvr-requirements-05](https://datatracker.ietf.org/doc/draft-ietf-tvr-requirements-05)

## Authors

L. M. Contreras  
Telefonica

[luismiguel.contrerasmурillo@telefonica.com](mailto:luismiguel.contrerasmурillo@telefonica.com)

B. Sipos  
JHU/APL  
[brian.sipos+ietf@gmail.com](mailto:brian.sipos+ietf@gmail.com)

Li Zhang  
Huawei  
China  
[zhangli344@huawei.com](mailto:zhangli344@huawei.com)

**D. King**  
**Lancaster University**  
[d.king@lancaster.ac.uk](mailto:d.king@lancaster.ac.uk)

## Contributors

Jing Wang  
China Mobile  
China

[wangjingjc@chinamobile.com](mailto:wangjingjc@chinamobile.com)

Peng Liu  
China Mobile  
China  
[liupengyjy@chinamobile.com](mailto:liupengyjy@chinamobile.com)

Zheng (Sandy) Zhang  
ZTE Corporation  
China  
[zhang.zheng@zte.com.cn](mailto:zhang.zheng@zte.com.cn)

Yuehua Wei  
ZTE Corporation  
China  
[wei.yuehua@zte.com.cn](mailto:wei.yuehua@zte.com.cn)

# Progress from 03 to 04

- New sub-sections for “Constraint Factors”
  - **Predicted Traffic Demand:** Network usage patterns fluctuate throughout the day, with peak times typically occurring during business hours and in the evening.
  - **Energy Efficiency:** The energy consumption of network equipment can be optimized based on the current and planned load
  - **Weather Conditions:** Weather can impact network performance, especially for wireless and satellite communications.
  - **Network Maintenance and Upgrades:** Scheduled maintenance or unexpected faults can introduce temporary constraints. By planning maintenance activities during off-peak hours and having real-time monitoring systems to quickly detect and address faults, network downtime can be minimized.

# Progress from 04 to 05

- “**Introduction**” section text!
- Additional “**Resource Scheduling**” text
- Expanded discussion on “**Centralized Approach**”
- New section on “**Integrity Considerations**” and requirements
- New section on “**Robust Security**” requirements
- Numerous readability and squashed NITS

# (redux) Mission Accomplished?

- Document is “stable”
  - No open issues in GitHub
    - <https://github.com/danielkinguk/tvr-requirements/issues>
- Have we met the objectives?
  - Yes, but...
    - Lacking reviews
      - WG Participant reviews requested
    - Maybe worth pinging other WGs/RGs, and authors of referenced/ancillary documents
      - OPSAWG
      - SATCOM interest groups
      - Anyone else?

# Next Steps

- Request WG Last Call
  - Seek final reviews, questions and clarifications
  - Publish document
- Focus effort on TVR Applicability I-D