

An aerial photograph of a city skyline at dusk, featuring a wide river in the foreground and numerous skyscrapers in the background. The sky is dark, and the city lights are beginning to glow. A diagonal white line cuts across the image from the top right to the bottom left.

Vehicular Multimedia Content protection Mechanism

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Directory

01 Background

02 Discussion

03 Gap analysis

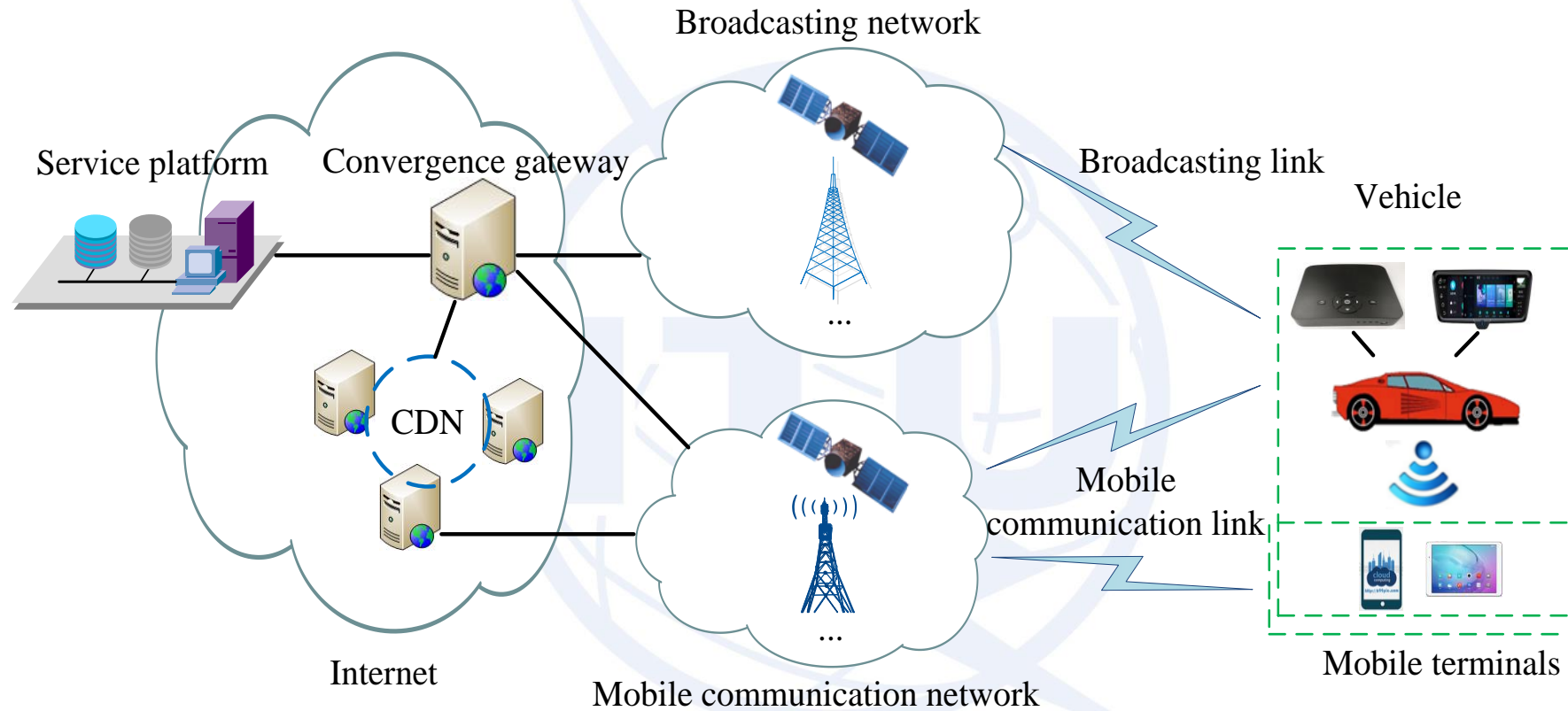
04 Proposal

Chapter

1

Background

Automatic driving & Convergence of different networks



the modern vehicle



transport tool



information platform

Living information Types

1.home

- Broadcasting network
- Internet

2.office

- mobile communication network
- Internet

3.one the way

- Broadcasting& mobile & internet

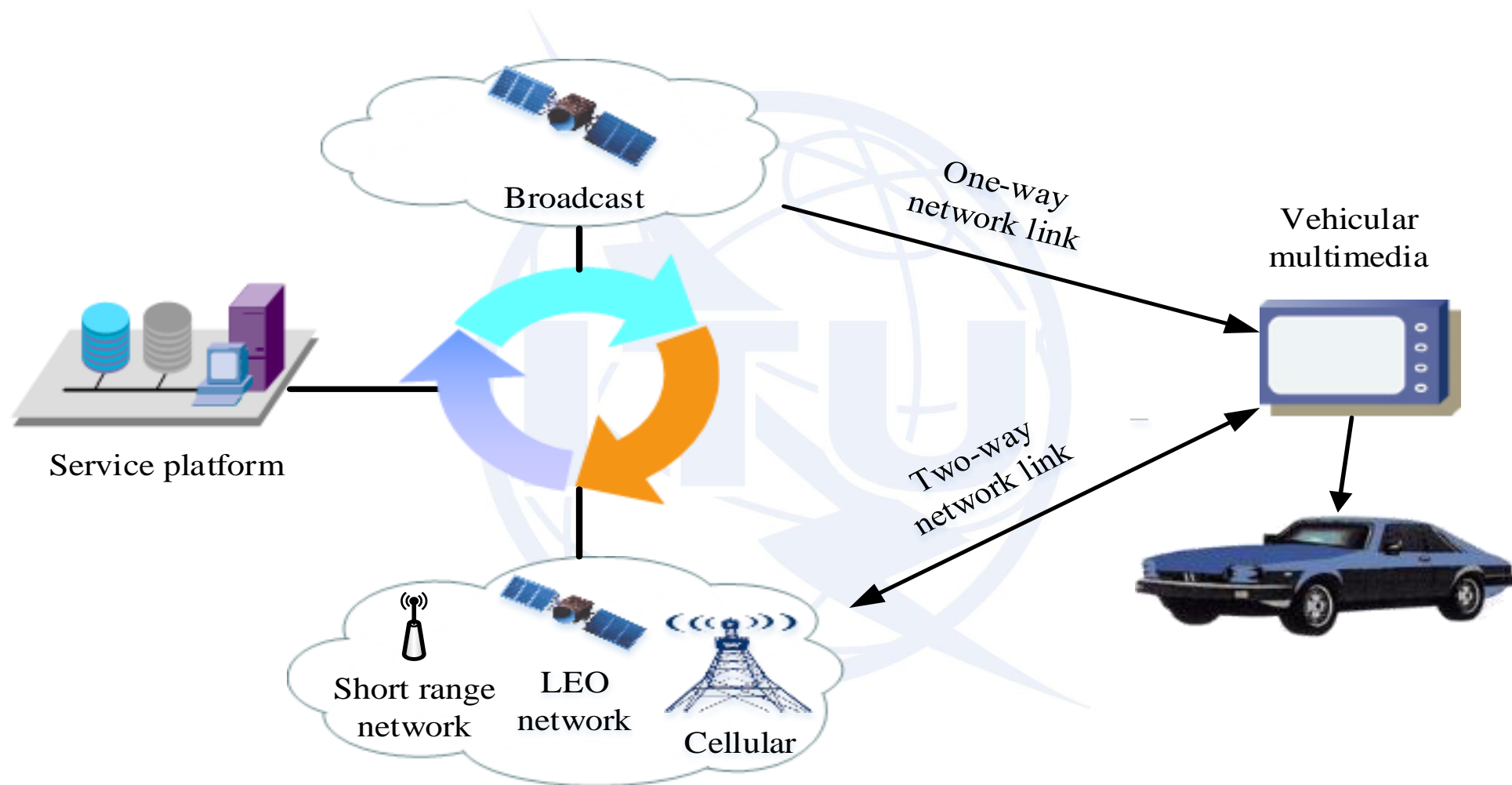
The vehicle become the third living and information space besides home and office, In order to protect the content security of the vehicular multimedia information service on the vehicle terminal, we need to focus on what technologies could be used to protect the content.

Chapter

2

Discussion

Vehicular multimedia content



1. one-way has an advantage on cost

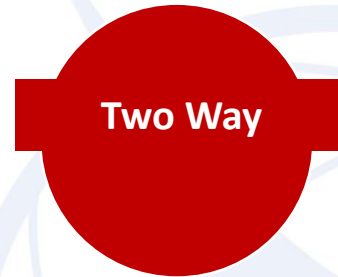
2. two-way has an advantage on interactivity

3. The convergence of different networks creates a new technological topic

Content protection standards



DAB/DVB



DRM



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A combination could be achieved organically based on the features of the content transmission and protection of both the one-way and two-way networks, providing a new content protection mechanism for the industry practice of the convergence of different networks in integration technologies.

Chapter

3

Gap analysis

Gap analysis



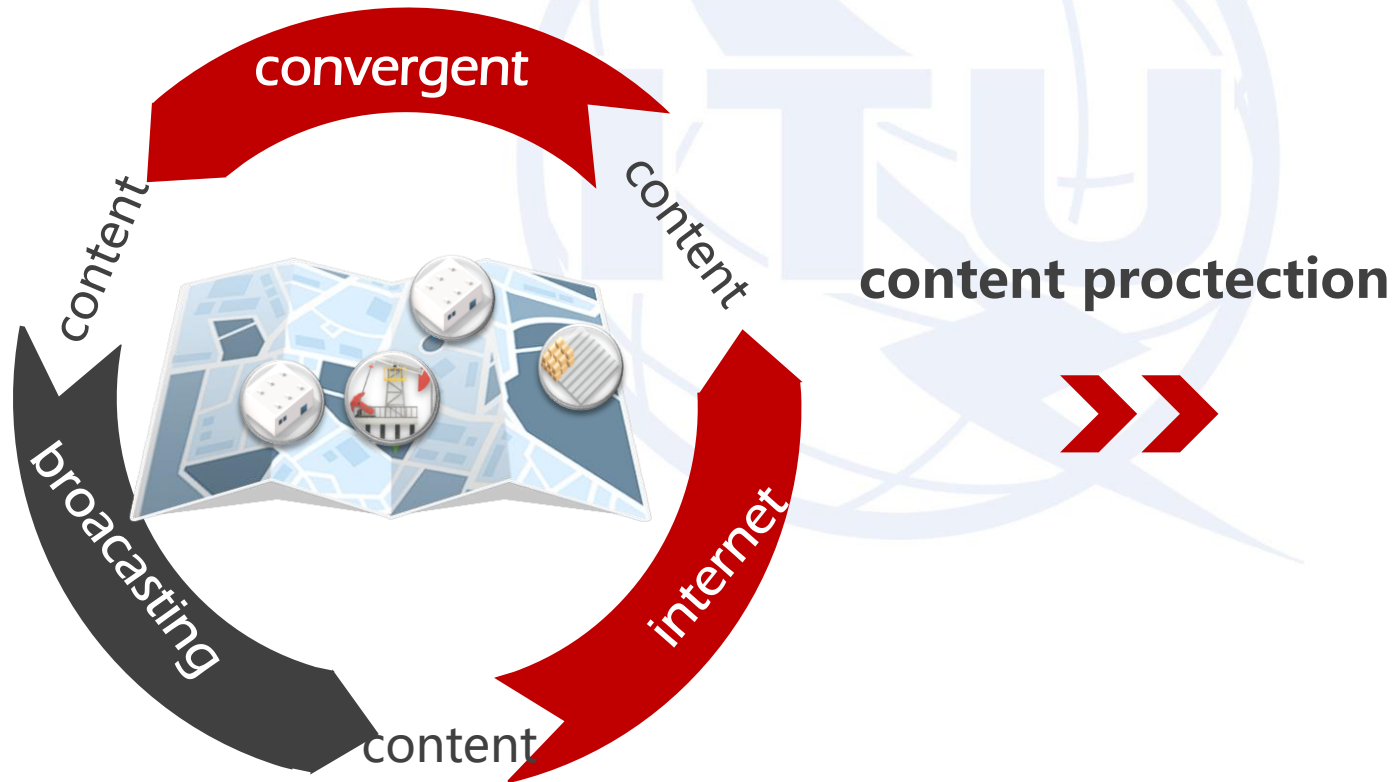
Content protections standards

Chapter

4

Proposal

Proposal



Oneway standards

Twoway standards

Convergent standards

References

[1] https://www.etsi.org/deliver/etsi_etr/200_299/289/01_60/etr_289e01p.pdf

[2] <https://www.atsc.org/wp-content/uploads/2015/03/Conditional-Access-System-for-Terrestrial-Broadcast.pdf>

[3] <http://www.abp2003.cn/BZCX/BZCXDetail?PageCount=20&Page=8>

[4] http://www.openmobilealliance.org/release/DRM/V2_2-20110419-C/

[5] <http://www.abp2003.cn/BZCX/BZCXDetail?PageCount=20&Page=3>



An aerial photograph of a city skyline at sunset. The sun is low on the horizon, casting a warm orange glow over the scene. The sky is filled with soft, wispy clouds. In the foreground, a wide river or bay flows through the city. The skyline is dominated by several prominent skyscrapers, including the Shanghai Tower and the Shanghai World Financial Center. The text "THANK YOU" is overlaid in the center of the image in a large, white, sans-serif font. A white diagonal shape is visible in the bottom right corner of the image.

THANK YOU