

# Paris Session 2022



## Advantage and disadvantage of private 5G for power utilities

Study Committee D2  
PS3 + Q3-1

Discuss the rationale, advantages and potential challenges  
in adopting a private 5G network for a power utility.

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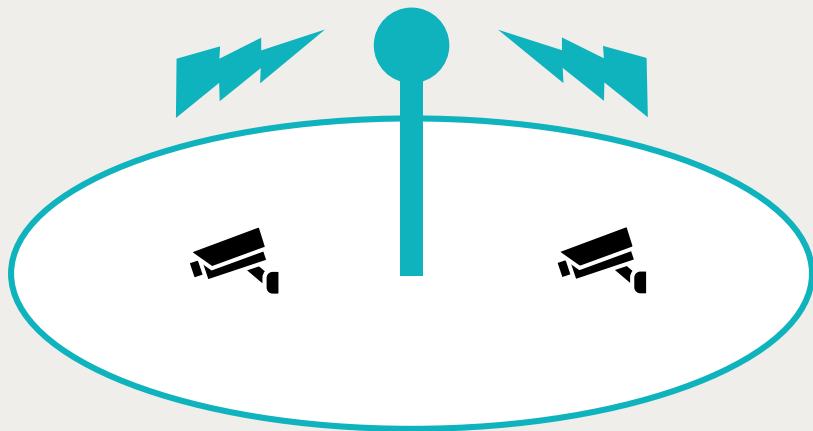


# ( 1 ) Advantage

The advantage of private 5G is that it can stably transmit large amounts of traffic such as video data captured by cameras without being affected by public transmissions.

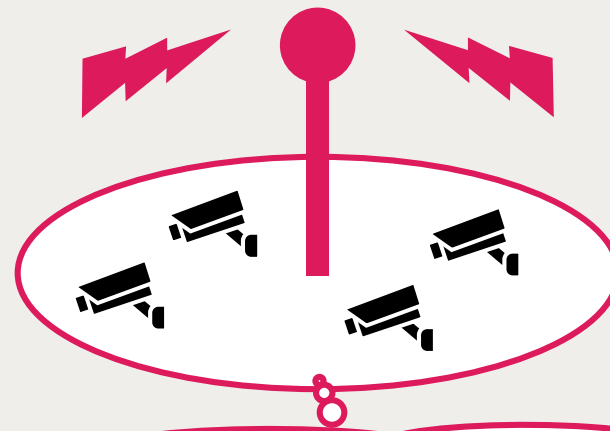
We expect that 5G will be able to connect more cameras simultaneously, transmit 4K video data , and provide more realistic experiences than 4G.

## <Private 4G area>



- Max 1~2 cameras
- MAX full HD
- wide coverage

## <Private 5G area>



- More than 2 cameras
- Expected 4K
- narrow coverage

More realistic experiences than private 4G.

Group Discussion Meeting

## ( 2 ) Disadvantage

The challenge of private 5G is the high price of the product.

We can lower the prices by moving away from specialized products, and adopting commercial products and using specialized software.

As a result, general-purpose servers can be adopted, and there is a possibility that equipment prices can be significantly reduced.

I look forward to software advancement in the future.

Thank you for your attention.