

Remote Tower – Chances and Considerations

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Abstract:

The Remote Tower concept is an idea of remote control of aircraft traffic near airports by ATC services that can make air traffic control easier and more efficient. The concept is to broadcast a video and data streams in real time, which could replace the outside view from the window ATCs observe. Due to the potential of that technology, several aviation organisations improve that idea within various projects, for example, PJ05 Remote Tower or SESAR2020. The Remote Tower technology has many advantages and gives many opportunities, including: increasing flexibility, efficiency of ATM employees, or improving resource management. However, unfortunately, it could be more vulnerable to cybercriminals attacks. This is definitely the biggest problem air traffic service ATC would have to face. Nevertheless, the whole idea of the remote tower in the form that exists today or is improved cannot go unnoticed due to its work-improving nature.

Keywords: remote tower, ATC, new technologies