



**VARIOMOD-XC complies
with the new
EU Cyber Security
requirements for radio
equipment (RED)**




What does the new directive require?



The EU's Radio Equipment Directive has been extended to include cyber security requirements (RED Articles 3.3 d-f) since 2022. As of 1 August 2025, all devices with integrated radio technology that are placed on the European market must comply with these new requirements.



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Comprehensive testing process

For our VARIOMOD-XC modem, we initiated individual testing with an external service provider at an early stage to confirm its compliance with the required security standards. We evaluated the modem based on an extensive set of questions covering a range of application scenarios.




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VARIOMOD-XC meets the RED

Once the official RED standards were published, we were able to quickly provide the necessary evidence of compliance – officially confirmed by an independent testing laboratory. No technical changes were needed: our modem already fulfilled all relevant requirements.



Is GPRS communication secure?

A stylized, light blue icon of a radio tower with concentric circles representing signal waves emanating from the top.

The fallback function of a modem to GPRS ensures stable and reliable connectivity. However, 2G network connections are known to have certain security vulnerabilities. We therefor addressed potential real-world risks as part of the lab evaluation.

2G



GPRS fallback remains available

The certified test results are clear: the use of GPRS by our customers does not pose an increased security risk. We can therefore continue to offer the fallback function to GPRS without restriction.



A graphic in the top left corner featuring four interlocking gears of different sizes. To the right of the gears is a horizontal progress bar with a rounded end on the left and a solid grey fill that is approximately 60% full. Above the progress bar is the text 'Uptate ...'.

Uptate ...

Long-term security

Threat scenarios are constantly evolving. To ensure long-term security, regular firmware updates are essential. With our VARIOMOD Manager, customers can perform mass updates to keep all devices compliant with current security standards – for sustainable data protection.