

S!RENEN - public warnings by phone

If you are in a danger zone the authorities can warn you over your smartphone. We call the system for S!RENEN, and we implemented it in spring of 2023.

S!RENEN has a unique sound and differs clearly from ordinary SMS or other push notifications. If you hear S!RENEN on your phone follow the guidelines:

STOP. READ. REACT.

S!RENEN adds to the existing public warning systems, meaning S!RENEN does not replace the rooftop sirens you might know already. It expands the authorities possibilities to warn the public, if a danger arises. With phone based warnings the public will be warned faster and better, when major crisis occurs.

Similar systems are arising in all of EU, since a EU Telecom Directive from 2018 obligated all member states to be able to warn all within EU by phone during crisis and disasters.

S!RENEN is based on 'cell broadcast' technology

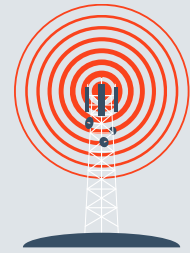
By that the authorities can send out warnings from the telecom cells to mobile phones in a limited, geographical area.

The sound from S!RENEN is an intense, loud tone with short breaks.

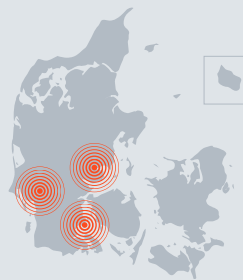
Due to the cell broadcast technology data is only transmitted one way; towards the citizens. The authorities will not receive data on the receiving mobile phones or placement when warnings are being sent out. You will receive the warning completely anonymously the same way you receive a radio transmission being broadcast to all radios in a specific area.



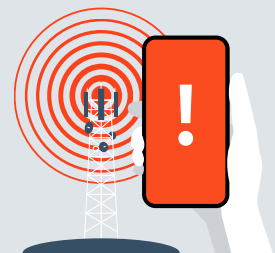
1 Emergency authorities respond to a crisis or a disaster. If a public warning is warranted they contact the local police.



2 Danish National Police send out a warning to the mobile network operators.



3 Mobile network operator automatically relays the warning to the relevant cells in the danger zone.



4 The cells distribute the warning to mobile phones in the appointed area.

STOP READ REACT



5 Citizens with a new mobile phone in the area receives the warning. They stop what they are doing, read the warning and act accordingly.



The projekt behind S!RENEN was governed by the Ministry of Defence together with Ministry of Justice and Ministry of Climate, Energy and Utilities. Ministry of Defence Acquisition and Logistics Organisation (DALO) acquired and implemented the system.

S!RENEN is run by Danish Emergency Management Agency in cooperation with the National Danish Police, sole user of the system. DALO develop and maintain the technical parts of the system. Further the project cooperate with the private, danish mobile network operators (Telia, Telenor, 3 og TDC), who run vital parts of the system.