

3.14 NETWORK OF WEATHER RADARS IN REPUBLIC OF SRPSKA, BOSNIA, HERZEGOVINA

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This paper will present a new weather radar network in the region of the Western Balkans. This new radar network will very well fit into the existing radar networks in Croatia and Serbia, so that by establishing it, most of the Western Balkan region will be covered by high quality radar data.

During July 2017, JP "Protivgradna preventiva RS" a.d. has installed the EEC DWSR-3501C SDP Doppler Weather Radar at the location of Borje, Republic of Srpska, Bosnia and Herzegovina. The location of the new radar is Lat 44.58326400N, Long 17.60608900E and height 1075 m. From this location in the range of 200 km, most of the territory of Bosnia and Herzegovina, as well as parts of the territory of Croatia, are covered.

By the end of 2018 or at the beginning of 2019, it is planned to set up another EEC DWSR-3501C SDP Doppler Weather Radar at Jahorina, Republic of Srpska, Bosnia and Herzegovina. Location of the planned radar is Lat 43.72019944N, Long 18.56186110E and height 1911.5 m. In this way, in the 200km range, both radars would cover the entire territory of the Republic of Srpska, Bosnia and Herzegovina, parts of the territory of Croatia, Serbia and almost the entire territory of Montenegro.

Coverage of the territory of the new radar network and its integration into existing radar networks in Croatia and Serbia will be shown. Also, the connection of a new radar network in Republic of Srpska, Bosnia and Herzegovina to European and regional radar networks is planned, especially in the OPERA program.