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Perfection of the requirements to the crashworthiness of
aircrafts in conditions of changing of the ICAO
concept about air search and rescue.

Constant increase of civil aircraft's capacity and development of new
lines, including polar areas, running above not lived-in and remote
parts of the Earth, conduct to gradual changing of the concept of the
ICAO standards on air search and rescue (Doc 9731-AN/958).

The influence of opportunities of services of search and rescue on
peculiarities of the requirements to the crashworthiness of the
aircrafts, which have made emergency landing on districts outside of
air station, is considered in the report.

Also, the emergency landings on remote areas with extreme
conditions of external influences, especially low and especially high
temperature of outside air, polar night and others are considered in
the report.

The situation of the long absence of an opportunity of execution of
search and rescue with the help of aircraft in difficult climatic
conditions is analyzed. Thus the position of fuselage of aircraft after
emergency can be not standard.

The results of the analysis of necessity of perfection of the existing
requirements both methods of an estimation of conformity and
introduction of the new requirements to the crashworthiness of
aircrafts are offered to consideration.