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## AIC

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### AIR NAVIGATION HAZARD – EXHAUST PLUMES

The purpose of this AIC is to bring to the attention of aircraft operators the potential hazards of engine flame-outs as a result of operating in close proximity to environments which emit high temperatures (i.e. up to 540°C) and combustion by-products.

These emissions are associated with but are not limited to, Power Stations, Industrial Chimneys, Oil/Gas Rigs and Shipping. Operators are advised that due to certain atmospheric conditions this exhaust plume may not be visible.

The consequence of entering such a gas plume may be the immediate flame-out of gas turbine powerplant(s) combined with a dramatic loss of lift due to increase in local density altitude.

Encounters with such gas plumes should not occur where the aircraft is otherwise in compliance with the Rules of the Air in relation to vertical and horizontal separation from structures.

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