

**Occurrence Communication:** Oc00260-2018 **Date:** 17/Sep/2018

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**Type: Major Event**

<b>Aircraft:</b> EMB-145	<b>Model:</b> EMB-145 XR	<b>Serial Number:</b> 145688
<b>Marks:</b> N13123	<b>Operator:</b> TRANS STATES	<b>Occurrence Date:</b> 04/Aug/2018
<b>Ata:</b> 72	<b>Time:</b>	<b>Number of Persons Aboard:</b> Not Available
<b>Aircraft Damages:</b>		
<b>Site:</b> NOT AVAILABLE		
<b>Injuries:</b> <input checked="" type="checkbox"/> None <b>Light:</b> 0 <b>Serious:</b> 0 <b>Fatal:</b> 0		

**Occurrence Description:**

Report of uncommanded engine 1 OGSD during takeoff roll  
The flight crew reported an uncommanded engine 1 OGSD during takeoff roll. They then aborted the takeoff and returned to the gate.

Maintenance personnel removed and replaced the engine 1 due to damages identified on the HPC blades and vanes.

**ADDITIONAL INFORMATION:**

The CMC and DFDR data analysis revealed the engine entered surge avoidance and shutdown due to N2 underspeed about 6 seconds after the pilots advanced the TLA. The engine teardown identified one 1st stage HPC blade that fractured. The damaged parts were returned to Rolls-Royce for failure analysis.