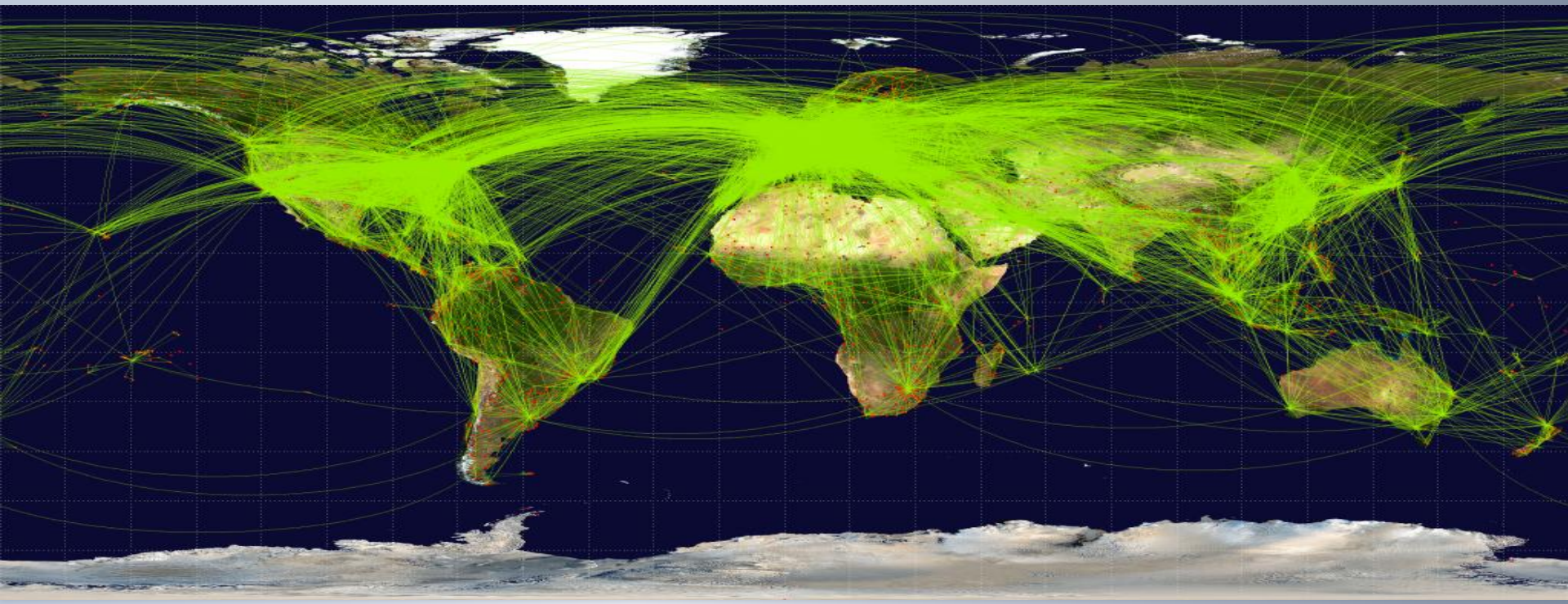


4th International Conference on Biofuel Standards:

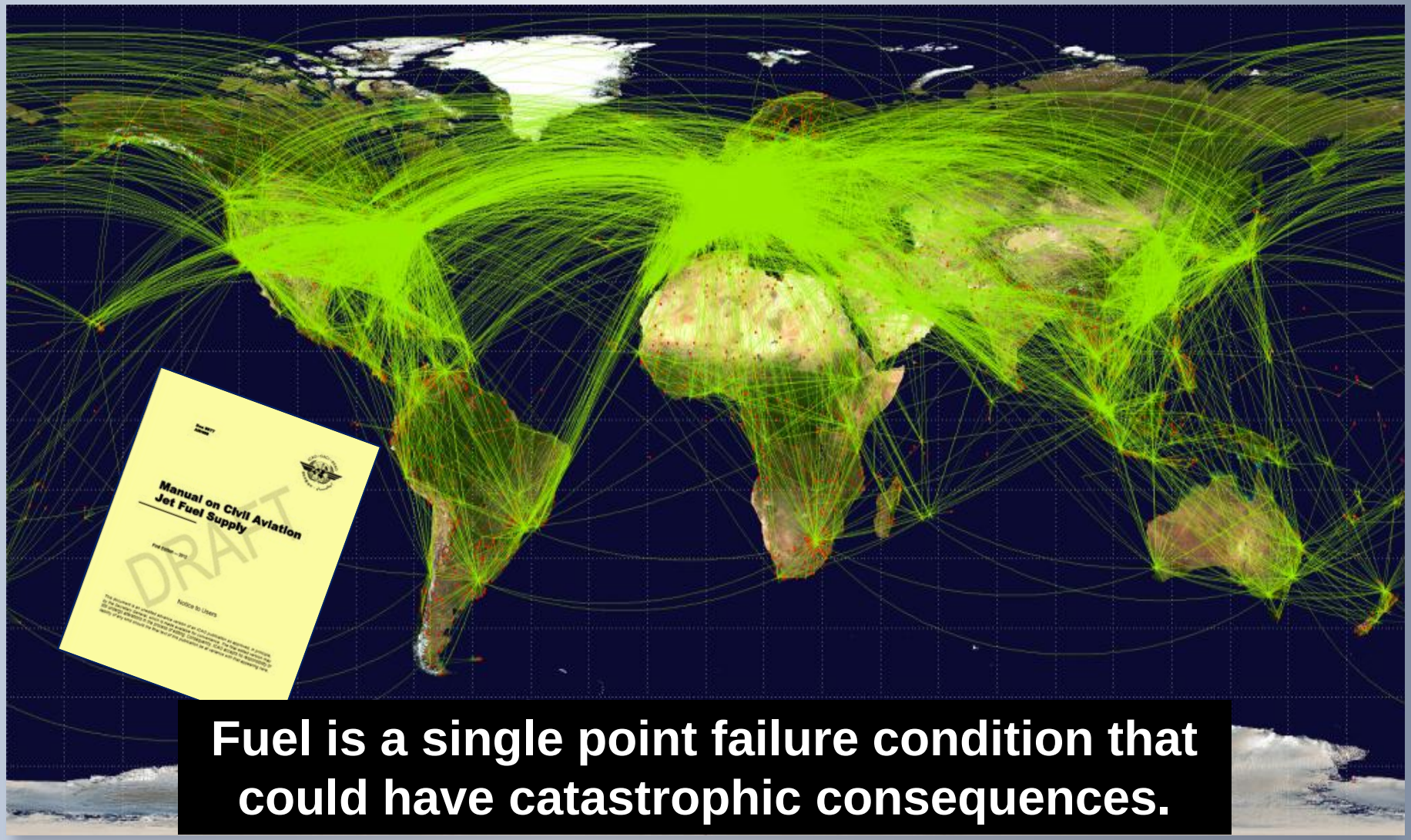
Aviation JET Fuel Standard

CURRENT ISSUES, FUTURE TRENDS

Presented by
Ross WALKER / Engineering Program Manager Sustainable Fuels

AIRBUS

Aviation Is Interstate & Intercontinental



Fuel is a single point failure condition that could have catastrophic consequences.

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Why Jet A1

The existing world fleet will fly for the next 30 years & is optimised to fly with JET A1

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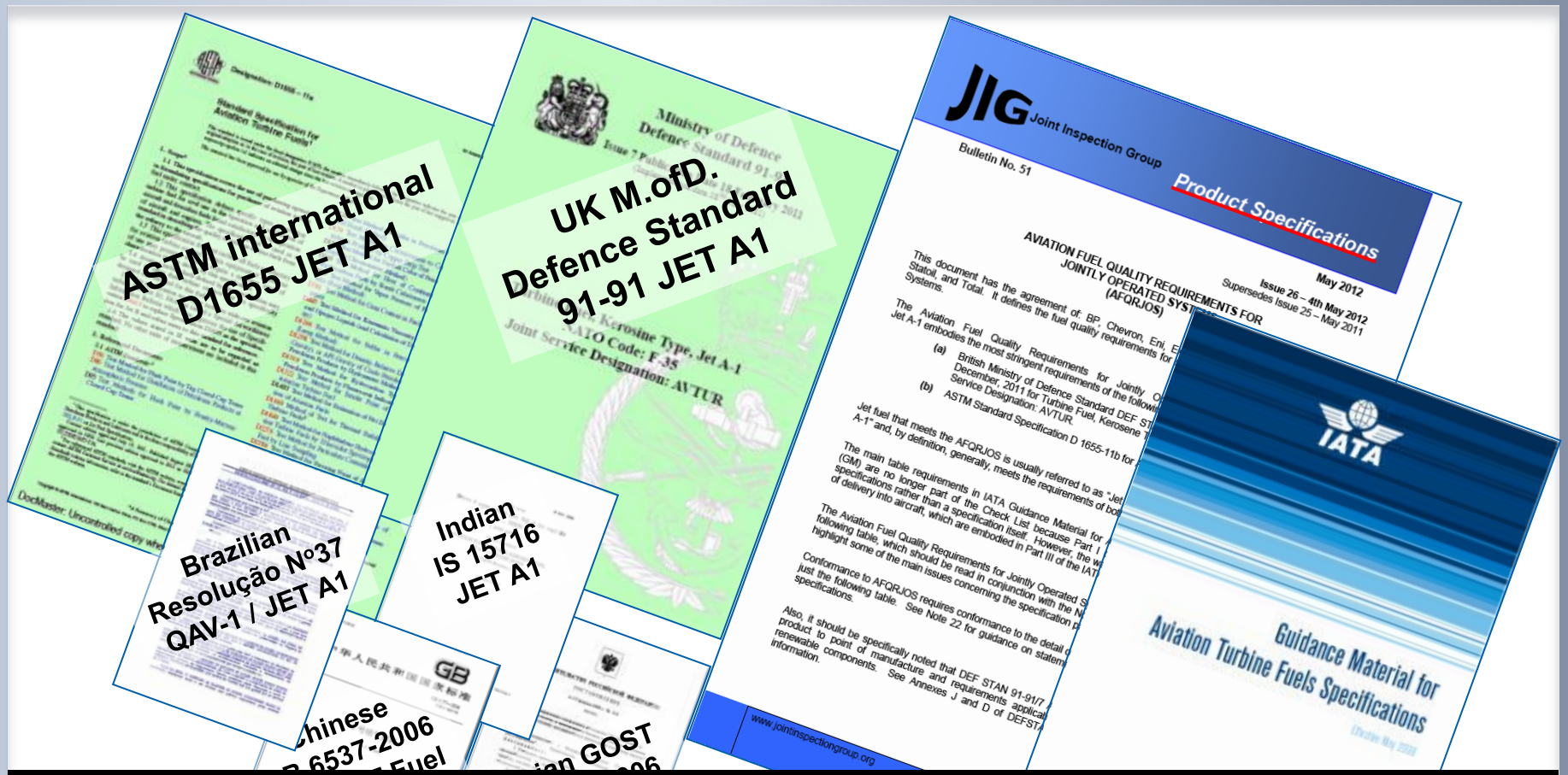
Aviation JET Fuel Standard



Most aviation fuel is compliant with AFQRJOS & meets the requirements of DEF STAN 91-91 & ASTM D1655

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Harmonization

- **Active players include**

- **Def Stan 91-91 & ASTM D1655** are the major world specifications that most other specifications and standards use as references e.g.:

- **Differences between Def Stan, ASTM and GOST include:**
  - Freeze point, Acidity, smoke point, conductivity, mandatory additives, …

Specification harmonization enhances aircraft operational safety

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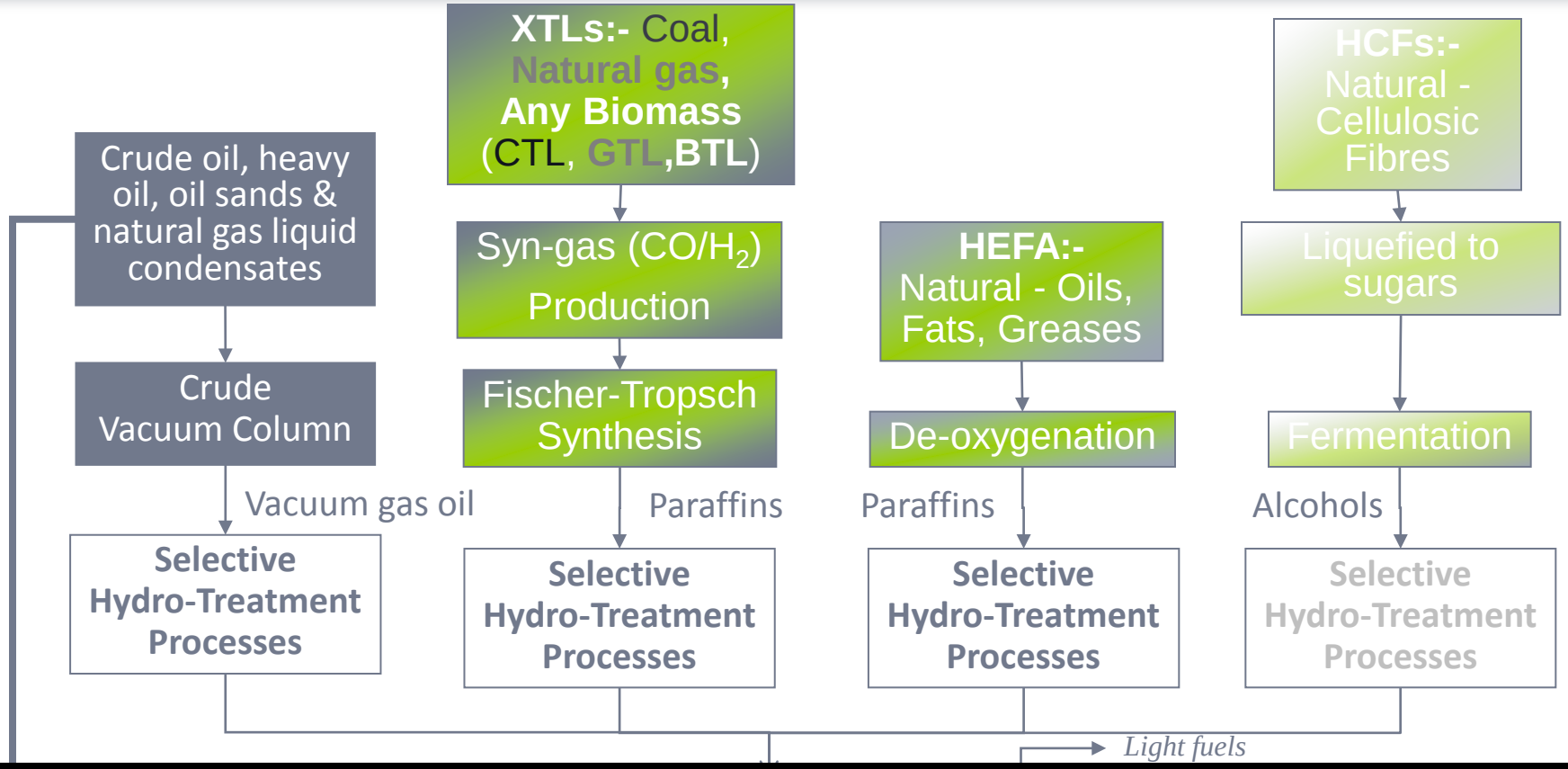
Evolution



No Alternative Fuels are approved today, only different pathways to JET A1

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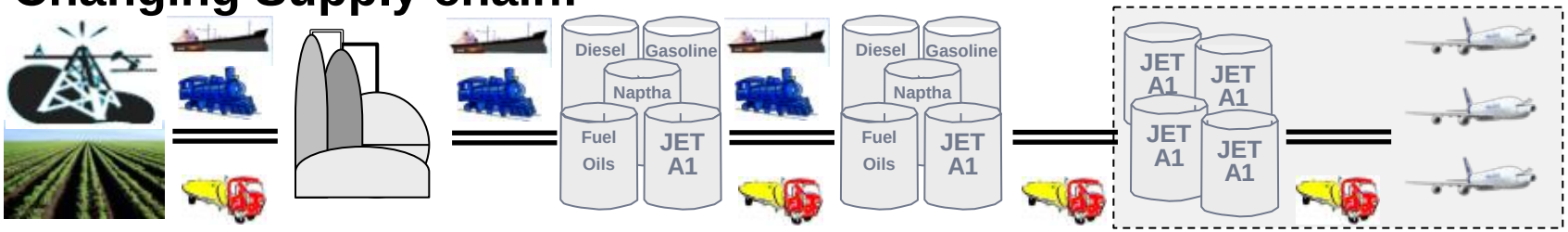
Current Issues

- **Changing Supply chain:**



- **Supply Disruptions**

- **Resolving The Issues**

JET A1 contamination by FAME is an ever present safety concern

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There Is NO Parking In The Sky

Aircraft require same fuel & fuel quality wherever they fly.

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