


The practicalities of delivering airspace solutions

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The NATS logo is displayed in white, bold, sans-serif capital letters. The letter 'N' is stylized with a curved top. The background of the slide features a pattern of wavy, vertical lines in shades of purple and magenta.



“A long term strategic approach is what is needed, not piecemeal chopping and changing which creates unnecessary blight and uncertainty for people on the ground.”

*- Carol Barbone, Campaign Director,
Stop Stansted Expansion*

TCN 2008

- » Two years' work
- » Two major real time sims (17 ATC positions for 2 weeks) + a number of smaller simulations
- » Up to 100 people involved in design/testing/consultation prep
- » Hundreds of design iterations
- » 17 week consultation planned
- » Six months to complete the consultation document

TCN 2008

» Consultation

- » 12m people
 - » 1500 parish councils
 - » 75 district/borough councils
 - » 130 MPs
 - » Hundreds of national/regional media interviews responding to pressure groups, activists, airlines, private flyers, general public;
 - » More than one hundred meetings with Councils/MPs
 - » 15,000 responses analysed
-
- » ...and people were still unhappy



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TCN 2010

- » Two years work
- » One major sim (17 ATC positions for 2 weeks) + a number of smaller simulations
- » Up to 100 people involved in design/testing
- » Consultation
 - » 6.5m people
 - » 1300 parish councils
 - » 35 district/borough councils
 - » 75 MPs
 - » Media training in preparation for similar level of scrutiny

How ATM operations are changing

Now	2020
Labour intensive	Technology intensive
Tactical intervention	Strategic intervention
High system variability	Highly systemised
Limited by human ability	Limited by technological ability
Numerous operational concepts	Same concept at all FAB units
Geographical validations	Tool-based validations
Ground-based infrastructure	Commercial/satellite based

What does that mean for 2020

- » No airborne holding
- » RNP routes
- » No intervention
- » Holds further out
- » 3-D separated routes
- » Hi-performance SIDS
- » CCDs to 20,000+
- » CDAs from 20,000+
- » High TA
- » Less CAS at low levels