





	ESTEC Noordwijk, 3rd-5th November 2003	
	BAE SYSTEMS	
Example - HF sky-wave ci	rcuit prediction	
Median Conditions	Storm Conditions	
Al-Anstancian (MA) (2021) Malanaka (Iniza Andri 7 Anstan (Ansta) Ma) Mag ang Kang (Anatonia (Iniza Andri 7 Ansta) (Iniza Ansta) and denome reade for all for the and claim angle of a state (Iniz)	NC Neuron Christian D'E Del Desantes Later Christian Constant Const 14. 2005 Ser Version: Const 2016 Const 2017 Const 2016	
en e		
Inder Antres III der Leichen Bergebergen Dergeste Camerica Hart Gagets Camerica Hart Reichend Repub Reich Antres Antres Viel and Reich Antres Antres Viel and Reich Antres Antres Viel and Reich Antre	A minute properties the best of the second s	
Channel Assignment Advanced Technology Centre	Modified Channel Assignment	







Requirements

- HF users (MoD)
- Support to operations (peace-keeping, exercise, ...)
- Global & regional forecasts
- · Timely forecasts move to 6 hourly to support operations
- web-based service; email also
- No one-size fits all with MoD

- SATCOMs

- · Derived requirements from several discussions (SATCOMs -Equatorial night-time)
- Continuing to monitor situation
- Discussion of proposed content and format
- · Expect trial SATCOM forecast service will show benefits

Advanced Technology Centre

ESTEC Noordwijk, 3rd-5th November 2003

code: 1. A Centered, ded Labor

ESTEC Noordwijk, 3rd-5th November 20

BAE SYSTEMS

Access to SWENET (SDA Support Infrastructure)

Aims

- To develop interfaces to access data from SWENET (SDA Support
- Infrastructure)
- To develop interfaces to post data to SWENET
 FORMAT (URSIGRAM / SEC...)
- Keyword, data in 5 character groups
- foF2 data in SEC FTP format

Work Programme

- Access to data sets (mirror SEC)
- Standard interfaces (FTP, HTTP, email datasets,...)?
- Availability of data (near real-time ; <24hrs, <6hrs)
- Posting of forecasts

Advanced Technology Centre









ESTEC Noordwijk, 3rd-5th Nor	vember 2003
BAE SYSTE	45
Summary	
• Aims	
 Enhanced ionospheric forecast service Implement new SATCOM service Validation & Verfication 	
 Progress User Requirements - completed Data requirements - completed Local sensor data - Work In Progress Access to SWENET data - Work In Progress Enhance HF service /SATCOM service - Work In Progress Service provision, validation/verfication & explitation - April 2004 	
Conclusion	
 Progress inline with plan to achieve goals 	
Contact: nigel.wheadon@baesystems.com Tel: +44 (0)1245 242143	
Advanced Technology Centre	13