Guidelines for Machine Readable Travel Systems

Tony Dean

Technical Consultant, De La Rue

ICAO TRIP: Building Trust in Travel Document Security
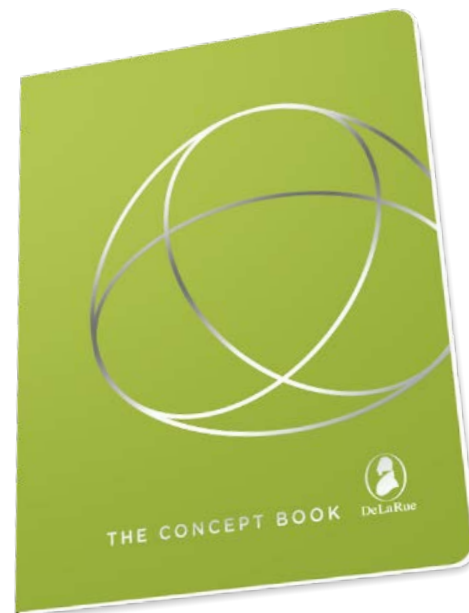
Welcome Today's Agenda

- Where to start
- Design phases & Security features
- Closing out
- Trends
- Tips

THE CONCEPT BOOK

High Level Decisions Scope of Project

- Redesign or Update?
- Personalisation solution: Government or Bureau, Central or Regional?
- Colour or Monochrome (B&W)?
- Fixed dates?
- Design approvals?

High Level Decisions Defining Requirements

- Fraud implications
  - Fraud types
  - Security feature levels
- Domestic situation
- Reader types
- Design competition
  - Subject – specify or leave open
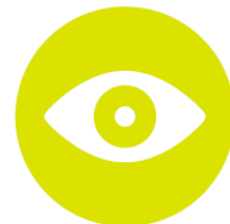 - Concept only - manage expectations
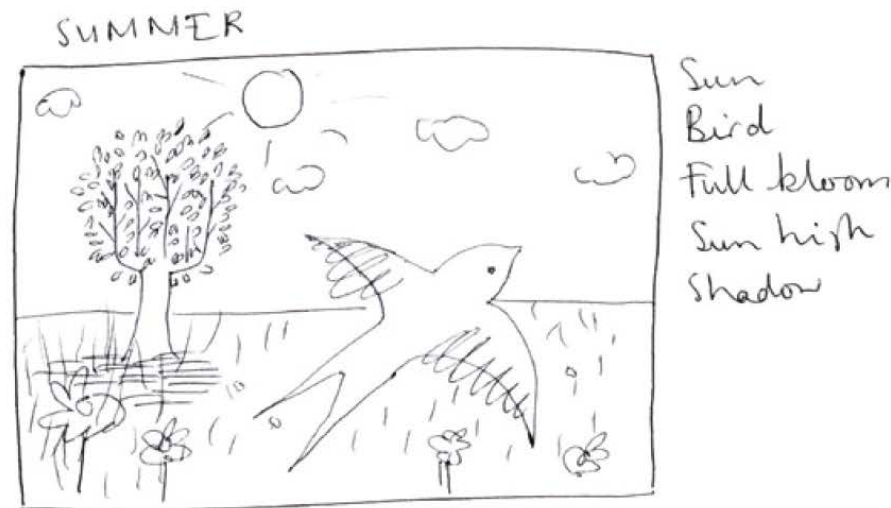
Levels of Security Level 1, 2 or 3

- Level 1
  - Overt, or 'public recognition' features

- Level 2
  - Covert, or 'official assist' features

- Level 3
  - Features require forensic authentication with specialist verification equipment.

Design Concept Overall Theme

- Pictures, patterns, traditional, contemporary
- Complexity versus cost
  - Individual, repeating or a mix
  - Colour scheme
- Image sources
- Page layout
  - Observations, notes pages, etc.

Security Features Primary Considerations

- Doc 9303 is a guide
- Spend money on bio-page
- Level 1 is key
  - See, feel, hear
- Layering
  - No features are bad
  - Anti copy and/or tamper evident

Detailed Design Feature Integration

- Security design software
- Substrate features
- Watermark reveal
    - Visible and invisible
- Personalisation template
- DOVID position

Trends **Currently in Vogue**

- Use of national imagery
- Less is more
- Cross-page designs
- Contemporary design
- Multiple images
- Page numbers
- Forensically identical

Further Considerations Important Factors

- Automated gates
  - Hologram angles
  - Special recognition features
- Variants
  - Diplomatic, Official, Temporary, etc.
- Training materials
- Special tools

Quality Control Closing Out

- Testing
  - In-house, independent, frequent destinations
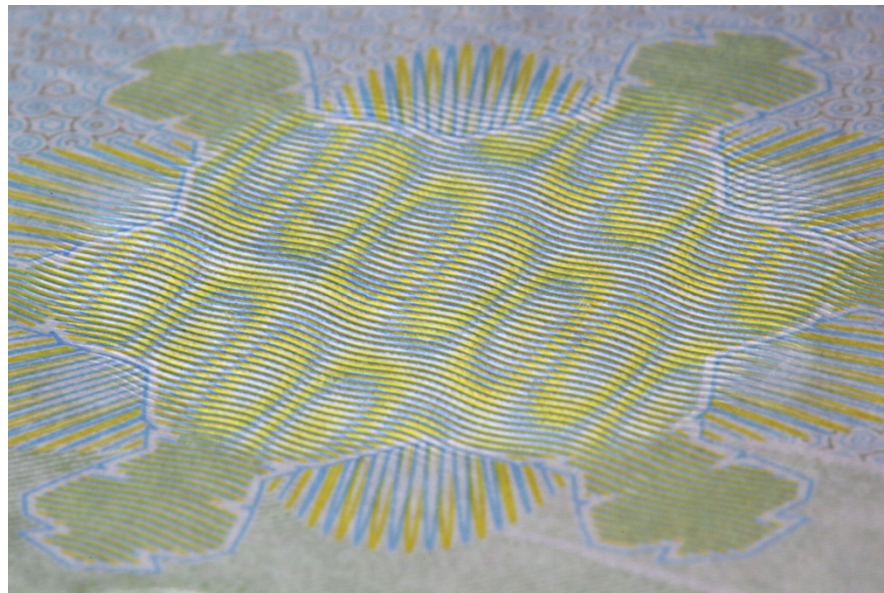- Compliance
- Specimens
  - Brochure
  - How many and to who

Tips Best Practice – Part 1

- Traditional v Digifeiter
- Use layers
- Reference image/shapes
- Text
- Raincheck

Tips Best Practice – Part 2

- Involve border control
  - They are your customer
- Secondary image
  - On an adjacent page
- Disaster recovery
  - Emergency provision

Thank you for your Attention Any Questions?

Tony Dean
Technical Specialist
De La Rue International
Stand 49 / 50
tonydean2@uk.delarue.com
+44 7917 580731

Contact Details

Tony Dean
tony.dean2@uk.Delarue.com