

Modeling Impacts of US Immigration Policy



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The Challenge

Deliver a systems engineering regimen and toolkit that supports the DHS Secure Border Initiative

- Create a construct for describing and discussing the SBI System of Systems
- Support the development of the SBI strategy
- Provide the means to identify, prioritize and implement portfolios of solutions

Develop a “back of the envelope model” that demonstrates the scale, scope, and trade spaces of the Secure Border Initiative

- Provide a capability for “what-if” analysis
- Reflect the influence of policy on the processes and systems of the SBI
- Demonstration of potential impact of investment

Produce the model within 30 days



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Beginning Hypothesis Statements

The concept of a secure border can be expressed and understood through an analysis of the people, materials, and business enterprises that cross the border, legally and illegally

Engineering regimens can be developed using existing techniques and processes that accommodate the dynamics and complexities of the systems and environments that define the Secure Border

Modeling and simulation may be applied throughout the systems lifecycle to achieve systems knowledge acquisition, consistent messaging, expectations management and decision support



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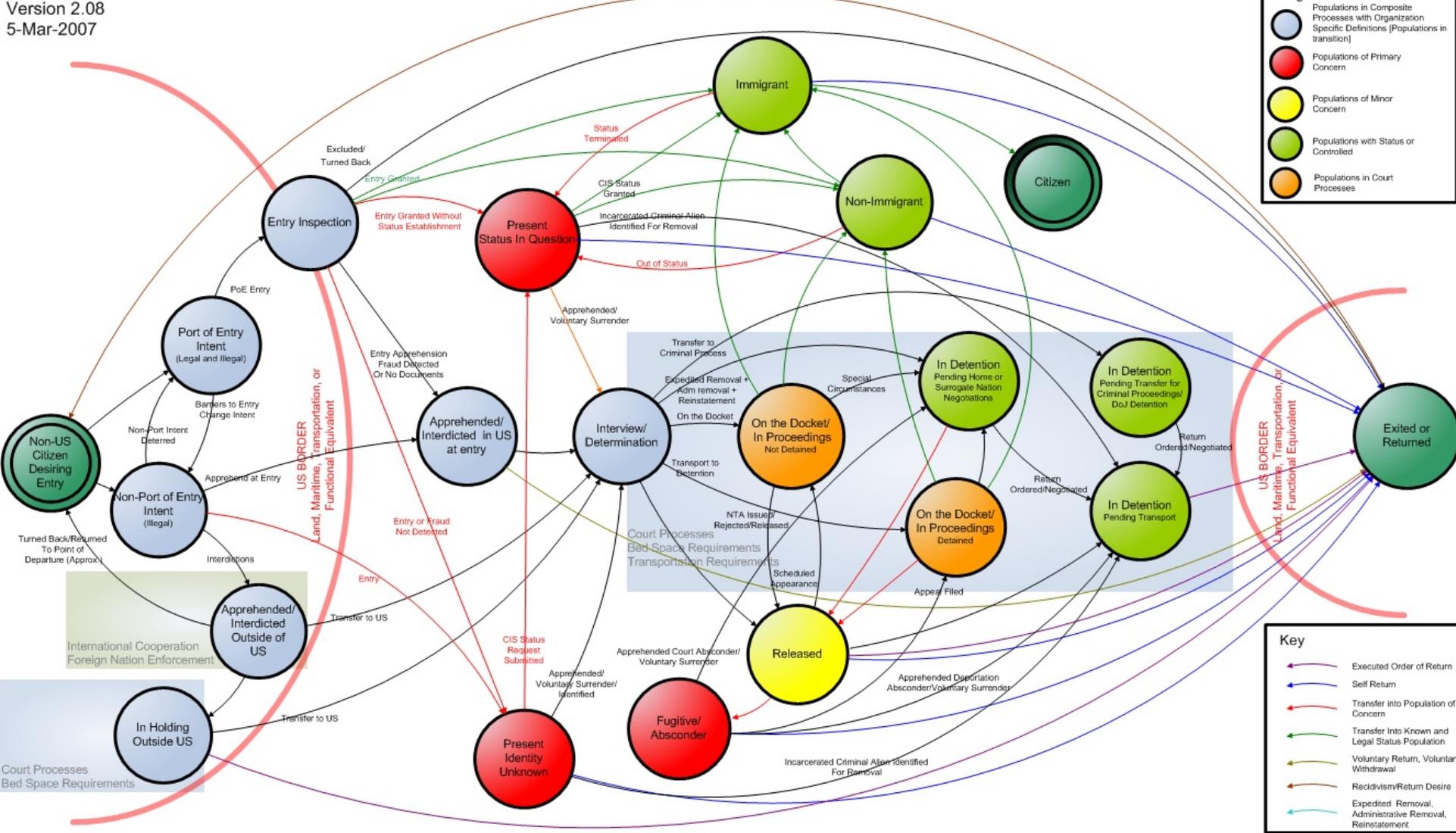
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SBI Decision Support Model for Immigration

Version 2.08
5-Mar-2007

Legend

- Populations in Composite Processes with Organization Specific Definitions (Populations in transition)
- Populations of Primary Concern
- Populations of Minor Concern
- Populations with Status or Controlled
- Populations in Court Processes



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Next Steps

- Refine case study approach
- Create new modeling capabilities as requested
- Look for data sharing opportunities with other analysis tools



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Contact Information

David Throckmorton

Science and Technology, Borders and Maritime

Department of Homeland Security

David.Throckmorton@dhs.gov

David Brooks

Ming-Pin Wang, PhD

Joe O'Neill

The MITRE Corporation

The MITRE Corporation

The MITRE Corporation

dgbrooks@mitre.org

mwang@mitre.org

joneill@mitre.org



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