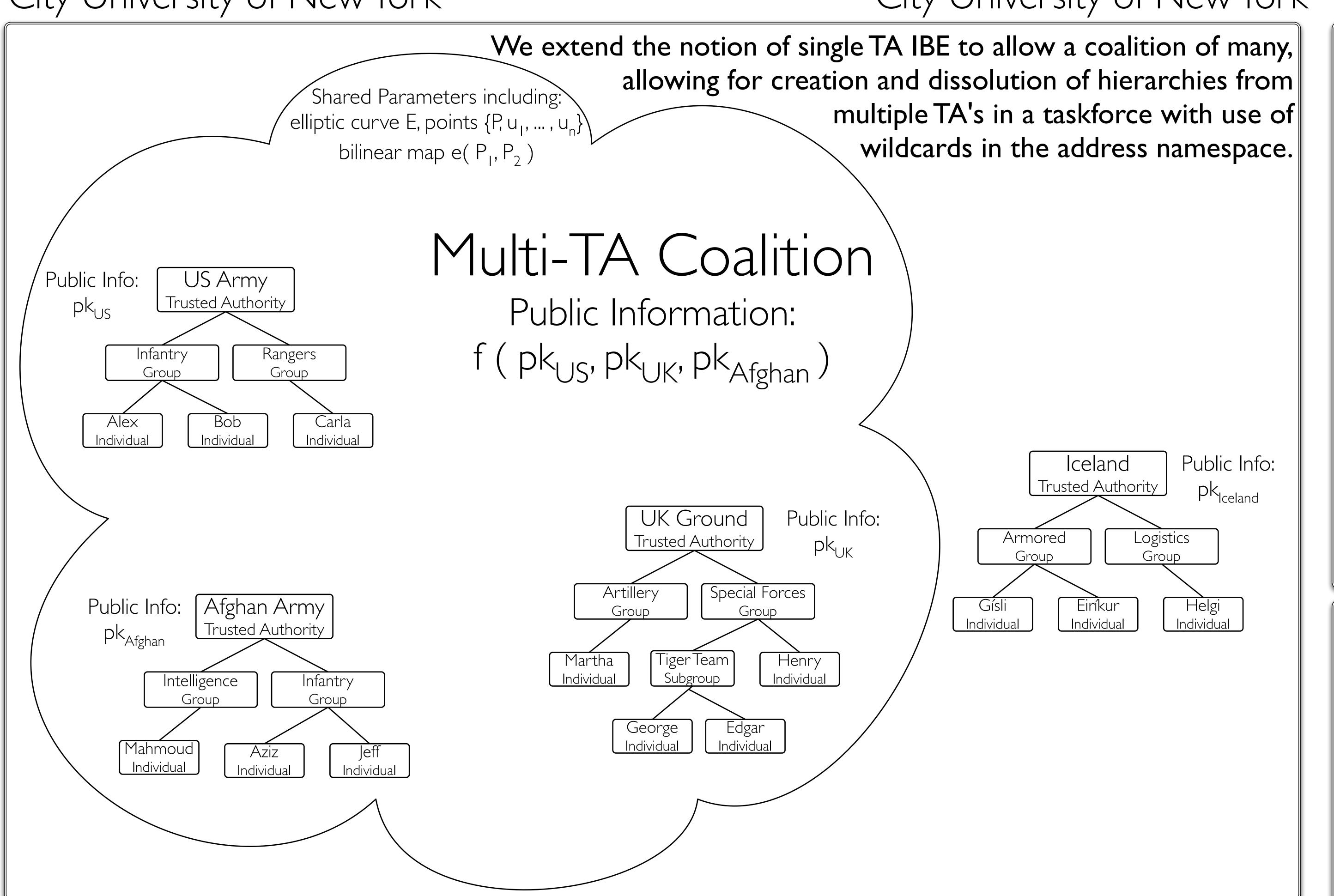
Broadcast Encryption with Multiple Trust Centers and Dynamic Coalitions

Christopher A. Seaman Graduate Center City University of New York Kent D. Boklan
Queens College
City University of New York

Alex W. Dent Royal Holloway University of London

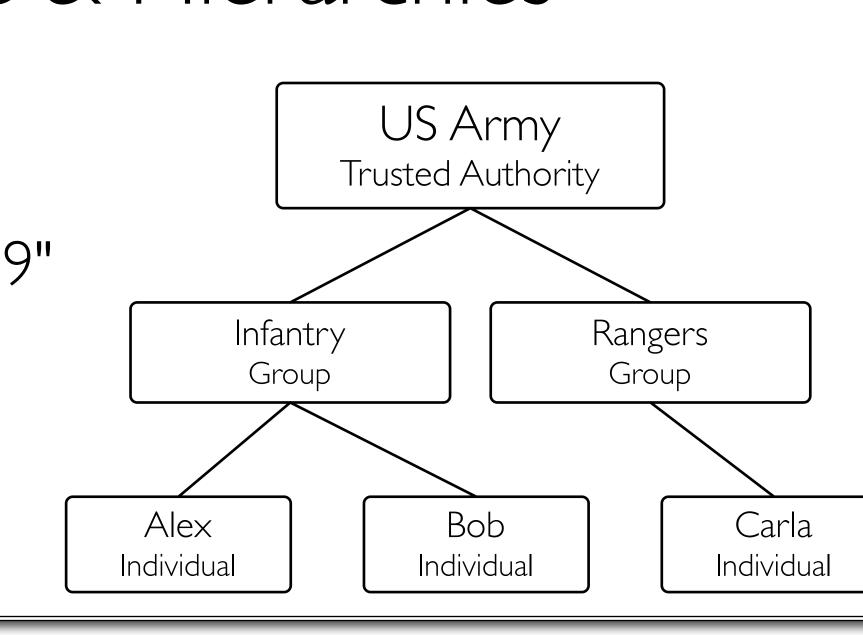


Features

- Multi-TA Identity-Based Encryption (IBE)
- No public key infrastructure (PKI)!
- Broadcast messages using wildcards
- Dynamic coalition membership
- Expelled members gain no future advantage against new coalitions



- Name reflects structure
- Old way: "Bob #123456789"
- New: (US, Infantry, Bob)
- Bob's Unit: (US, Infantry, *)



Forming a Coalition across Trusted Authorities

