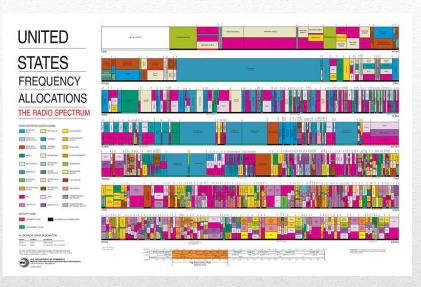
MUDA: A Truthful Multi-Unit Double-Auction Mechanism

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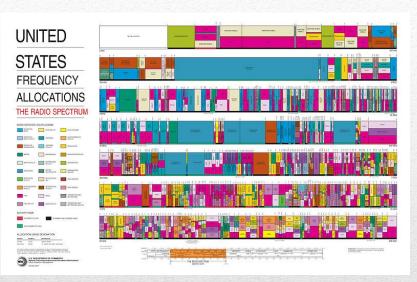


















Existing mechanisms are -

- 1) Not truthful, or -
- 2) Require government subsidy, or -
- 3) Require prior information, or -
- 4) Have low gain-from-trade, or -
- 5) Allow only one unit per trader.

MUDA is -

- 1) Truthful;
- 2) Budget-balanced;
- 3) Prior-free;
- 4) Gain-from-trade approaches maximum;
- 5) Allows multiple units per trader.

MUDA Simulations

Values drawn uniformly at random:

Values based on historic NYSE data:

