



## Policy and Regulation Initiative for Digital Africa (PRIDA)- Track 1

### Capacity building on spectrum auctions

Online- January 11-13, 2021



## Agenda

### Day 1: Spectrum valuation and spectrum awards

*(Time corresponds to GMT)*

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|--------------|--|
| 10:00- 10:20 | Welcome speeches by the ITU Regional Directors for Africa and Arab states<br>Introduction by PRIDA project management team   |
| 10:20- 11:30 | Programme overview by Mr. Graham Friend (trainer- ITU Expert)<br>Session 1: Spectrum valuation- different perspectives <ul style="list-style-type: none"><li>• Spectrum pricing and asymmetric information</li><li>• Think like a mobile operator CEO</li><li>• Spectrum values, risk and uncertainty</li><li>• Regulatory uncertainty and risk (roadmaps, renewal)</li><li>• New entrant spectrum values</li></ul>  |
| 11:30- 11:45 | Break  |
| 11:45- 13:15 | Session 2: Regulatory policy and the history of spectrum assignment <ul style="list-style-type: none"><li>• Regulatory policy objectives</li><li>• Definition of terms – spectrum access fees and spectrum usage fees</li><li>• Licence conditions and regulatory trade-offs</li><li>• The history and trends in spectrum assignment</li><li>• Administrative approaches – pros and cons</li><li>• Spectrum renewal and assignment</li><li>• Spectrum auction development</li><li>• Conditions for the use of auctions (e.g. excess demand)</li><li>• Practical assessment process</li></ul> |

### Day 2: Key spectrum auction issues

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|-------------|---|
| 9:00- 10:30 | Session 3 – Key auction issues I <ul style="list-style-type: none"><li>• Generic versus specific lots</li><li>• Common value uncertainty and the winners' curse</li><li>• Price discovery</li></ul> |
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- Substitution risk
- Exposure risk
- Fragmentation risk

10:30- 10:45      Break

10:45- 12:15      Session 4 – Key auction issues II

- Fair and equitable outcomes
- Regret risk
- Strategic demand reduction and tacit collusion
- Set-asides for new entrants
- Reserve price levels

### Day 3: Common spectrum auctions formats

9:00- 10:30      Session 5 – Single round spectrum auctions

- Simultaneous versus sequential auctions
- Single round auctions
- First price, sealed bid auctions

10:30- 10:45      Break

10:45- 12:15      Session 6 – Multi-round spectrum auctions

- Simultaneous multi-round ascending (SMRA) auction format
- Combinatorial or package formats