**STG\_WS (22)01R1**

**DRAFT PROGRAMME AND TIMING**

**SEAMCAT Beginners Workshop; 19 – 20 October 2022**

**(hybrid format i.e. virtual + ECO, Copenhagen, DK)**

**Presenters: Zeljko TABAKOVIC (ECO) and Peter FARIS (ECO)**

**FIRST DAY – 19 October; 9:30 – 17:00 CEST**

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| **Timing (CEST)** | **Presentations** | **Doc** |
| 9:30 - 11:00 | Introduction to SEAMCAT  SEAMCAT outline  Systems overview in SEAMCAT | STG\_WS(22)02  STG\_WS(22)03  STG\_WS(22)04 |
| 11:00 – 11:20 | BREAK |  |
| 11:20 – 13:00 | Antennas in SEAMCAT   * Exercise 1: Setting and plotting antennas, antenna comparison tool   Setting emission and blocking masks   * Exercise 2: Setting emission or blocking mask (import / export) | STG\_WS(22)05  STG\_WS(22)06  STG\_WS(22)15 |
| 13:00 – 14:00 | LUNCH BREAK |  |
| 14:00 - 15:30 | Propagation models in SEAMCAT   * Exercise 3: Propagation model test tool * Exercise 4: Setting a whole generic system   Scenario and simulation settings, positioning | STG\_WS(22)07  STG\_WS(22)16  STG\_WS(22)08 |
| 15:30 – 16:00 | BREAK |  |
| 16:00 – 17:00 | Running scenario, results overview   * Example 1: Setting and running a scenario of generic systems | STG\_WS(22)09  STG\_WS(22)17 |

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**SECOND DAY – 20 October; 9:00 – 16:00**

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| **Timing** | **Presentations** | **Doc** |
| 9:00 – 10:40 | SEAMCAT results, interference calculations   * Exercise 5: Exploring SEAMCAT results and Interference calculations   Cellular systems in SEAMCAT and their settings   * Exercise 6: Setting a cellular system | STG\_WS(22)10  STG\_WS(22)18  STG\_WS(22)11 |
| 10:40 – 11:00 | BREAK |  |
| 11:00 – 12:00 | Compatibility simulation involving Cellular systems   * Example 2: Cellular systems simulation and exploring the results | STG\_WS(22)12  STG\_WS(22)19 |
| 12:00 – 13:00 | LUNCH BREAK |  |
| 13:00 – 14:15 | Tools, Libraries, Export- import, EPPs  SEAMCAT development & new features demo | STG\_WS(22)13  STG\_WS(22)14 |
| 14:15 – 14:45 | BREAK |  |
| 14:45 – 16:00 | Discussion, specific questions, and topics of interest for audience  Workshop evaluation  Wrap up and Closure |  |

**Recommended preparation - how to get most out of this workshop:**

* Basic knowledge of radiocommunications and spectrum engineering
* Installation of Java Runtime Environment on your computer
* Installation of SEAMCAT v.5.4.2 on your computer

*Information on installation and system requirements can be found* [*here*](https://www.cept.org/eco/eco-tools-and-services/seamcat-spectrum-engineering-advanced-monte-carlo-analysis-tool)