



**CANADIAN FORCES  
JOINT SIGNAL REGIMENT**  
**REGIMENT DES TRANSMISSIONS  
INTERARMEES DES FORCES CANADIENNES**

OFFICE OF THE COMMANDING OFFICER  
CABINET DU COMMANDANT

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3350 (A Tp Comd)

12 September 19

Distribution List

EXERCISE INSTRUCTION FOR  
EXERCISE NOBLE SKYWAVE 2019



1. SITUATION.

- a. General. The Communications and Electronics (C&E) Branch is holding its annual Professional Development week from 21 to 25 October 2019 at Canadian Forces Base Kingston. The Canadian Forces Joint Signals Regiment (CFJSR) on behalf of the C&E Branch will use this opportunity to conduct Ex NOBLE SKYWAVE 2019 (Ex NS 2019). The exercise will see voice and data links between domestic and international teams via High Frequency (HF) sky-wave propagation.
- b. Participation. Invited to participate are all Regular, Reserve, or Auxiliary Force units with HF radio communications from Canada, the United Kingdom, the United States of America, Australia, and New Zealand. Members of the Canadian Forces Affiliate Radio System (CFARS) and the US Military Auxiliary Radio System (MARS) are also invited to participate. Furthermore, other members from the international community who have expressed interest in participating in Ex NS 2019 are invited to do so.

2. MISSION. The CFJSR will organize and facilitate Ex NS 2019 from 22 to 23 October 2019 in order to provide a venue to confirm HF interoperability amongst the international community.

3. EXECUTION.

- a. Concept of Ops.
  - (1) Intent. I intend to build on the success of previous iterations of Ex NS 2018 and use C&E week as an opportunity to involve the C&E Branch, The Canadian Forces School of Communications and Electronics (CFSCE), and the international community in a training exercise that emphasizes HF sky-wave propagation to both domestic and international teams.
  - (2) Scheme of Manoeuvre. Within a competition construct, participating teams will earn points for successful contacts with other participants. The scoring matrix for this competition will reward teams that are able to

1/6

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achieve contact with more distant participants. Teams are responsible for their own respective broadcast detachments, stations, sites, and personnel. The Officer in Charge (OIC) will retain responsibility for the overall coordination and conduct of the competition. Throughout the exercise, individual units are responsible for the setup, tear-down, and manning of their detachments, and will accrue all fees. The exercise and competition will occur in 3 phases:

- (a) Phase 1 – Preparation. The preparation phase will see the allocation of personnel, the generation of applicable documents, and the call for participation letters. The competition will be enabled through the delivery of the Communications and Electronics Operating Instructions (CEOs) to participants by their Ex NS 2019 email address, as well as publication on the Ex NS 2019 web app at <https://nobleskywave.ca/>. Participation will be confirmed and communication checks will be conducted at the local level. This phase ends upon the establishment of the Net Control Station (NCS) at CFB Kingston;
  - (b) Phase 2 – Competition. While operating on a 24-hr basis (in order to accommodate all time zones), teams will earn points for successful radio checks between stations. This phase ends upon declaration of the winner by the NCS; and
  - (c) Phase 3 – Post-Ex Drills. Under unit supervision, the NCS and all out-stations will be torn-down and returned to their respective lines. Prizes and letters of appreciation will be distributed. This phase ends upon submission of the After Action Report (AAR) to the C&E Branch Adjutant.
- (3) Main Effort. Ensuring continuity of expertise year to year through the production of a standard planning framework and Web App maintenance instructions.
  - (4) End State. My end state will be achieved with the publishing of results, the updating of the exercise trophy, and the acceptance of the AAR by the C&E Branch Adjutant.
- b. Groupings and Tasks.
- (1) Planning Team.
    - (a) Develop invitee list and distribute exercise instructions;
    - (b) Submit frequency requests;
    - (c) Bring online and maintain the exercise Web App;
    - (d) Maintain Web App and use it as a primary resource for document distribution;
    - (e) Provide exercise instruction and CEOs;

- (f) Accept registrations and issue supporting documentation to teams;
  - (g) Ensure continuity of planning teams, by creating a timeline framework for future planning teams as well as Web App maintenance instructions.
  - (h) Establish EXCON CP as the NCR; and
  - (i) Establish internet-based NCR to enable global coordination with all participating detachments and stations.
- (2) Participating Units.
- (a) Informally indicate the intent to participate to the OIC as soon as possible;
  - (b) Complete the formal registration process on nobleskywave.ca and submit by the deadline;
  - (c) Submit frequency request through respective communications staff or national spectrum management organization as applicable; and
  - (d) Prepare HF equipment as deemed required in preparation for the competition.
- c. Coordinating Instructions.
- (1) Timings.
- (a) August 2019 – Web App online;
  - (b) September 2019 – Formal call for participation letters released;
  - (c) September 2019 – Exercise Instructions and CEOIs released;
  - (d) 15 2100Z October 2019 – Deadline for registration;
  - (e) 20 1800Z October 2019 – Final participant, call-sign, and location list published;
  - (f) 21 1300Z October 2019 – Optional Communications checks begin;
  - (g) 22 1000Z October 2019 – Competition begins;
  - (h) 23 1900Z October 2019 – Competition ends; and
  - (i) 30 October 2019 – AAR points submitted to the C&E Branch Adjutant.
- (2) Locations.

- (a) EXCON/NCS Primary. CFSCE – 18T UP 8557 9962; and
  - (b) EXCON/NCS Alternate. TBD.
- (3) Registration. Registration for the exercise can be completed on the exercise Web App at <https://nobleskywave.ca/>. Recognizing the importance of timely information and the efforts required of the formal application process, an informal email to the OIC signaling the intent to participate will ensure your team receives all pertinent documentation;
- (4) Scoring. The scoring criteria will be released with the CEOs; and
- (5) Limitations. As a voluntary exercise, all costs are borne by the participating units and this exercise will not take precedence over an official task.
4. SERVICE SUPPORT.
- a. Concept of Support. Participation in the event is voluntary. Outside of providing the exercise framework and the competition concept, neither CFJSR, the C&E Branch, nor CFSCE have allocated resources to support other units. Support is ultimately borne by the units for their participating teams, detachments, or stations; and
  - b. Financial. The CFJSR and CFSCE will rely on the C&E Branch support EXCON. Any financial commitments will be briefed to the Branch Adjt prior to committing.
5. COMMAND AND SIGNALS.
- a. Contact Information.
    - (1) Officer In Charge (OIC) / Exercise Coordinator, Lieutenant Bradley Hogan, CFJSR, +1 613-541-5010 extension 5798; and
    - (2) Chief Communications Operator (CCO), Master Warrant Officer, Dennis Taylor, CFSCE, +1 613-541-5010 extension 3849, [Dennis.Taylor@forces.gc.ca](mailto:Dennis.Taylor@forces.gc.ca).

b. Signals.

- (1) Official documents for the exercise will be distributed by the event OIC via email as they become available. They will also be made available on the Exercise Noble Skywave Web App, found at <https://nobleskywave.ca/>.
- (2) CEOIs. Produced by the CCO, the CEOIs will be distributed to registered teams and will also be made available on the Exercise Noble Skywave Web App.



J.D. McKinney  
Lieutenant-Colonel  
Commanding Officer  
Canadian Forces Joint Signal Regiment

Distribution List

Action

Exercise Officer In Charge  
Exercise Chief Communications Operator  
1 Cdn Div HQ//J6  
1 CMBG HQ & Sigs Sqn//CO/Ops O  
1 Wg//Ops O/TISO  
2 CMBG HQ & Sig Sqn//CO/Ops O  
2 Cdn Div//G6/CO 2 CDSG Sig Sqn  
3 Cdn Div//G6/CO 3 CDSG Sig Sqn  
3 Wg//Ops O/TISO  
4 Cdn Div HQ//G6  
4 CDSG Sig Sqn//CO/Ops O  
4 Wg//Ops O/TISO  
42 Radar Sqn//Ops O  
5 Cdn Div HQ//G6  
5 CDSG Sig Sqn//CO/Ops O  
5 CMBG HQ & Sig Sqn//CO/Ops O  
5 Wg//Ops O/TISO  
8 ACCS//CO/Ops O  
8 Wg//Ops O/TISO  
9 Wg//Ops O/TISO  
12 Wg//Ops O/TISO  
14 Sig Regt (UK)//CO/Ops O  
14 Wg//Ops O/TISO  
15 Wg//Ops O/TISO  
16 Wg//Ops O/TISO  
17 Wg//Ops O/TISO  
19 Wg//Ops O/TISO  
5/6

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21 EW Regt//CO/DCO/RSM/R Sig O  
22 Wg//Ops O/TISO  
31 Sig Regt//CO/Ops O  
32 Sig Regt//CO/Ops O  
33 Sig Regt//CO/Ops O  
34 Sig Regt//CO/Ops O  
35 Sig Regt//CO/Ops O  
36 Sig Regt//CO/Ops O  
369 Sig BN (US)//CO/Ops O  
37 Sig Regt//CO/Ops O  
37 Sig Regt (UK)//CO/Ops O  
38 Sig Regt//CO/Ops O  
39 Sig Regt//CO/Ops O  
39 Sig Regt (UK)//CO/Ops O  
41 Sig Regt//CO/Ops O  
71 Sig Regt (UK)//CO/Ops O  
Army MARS Program Manager  
CANFLTLANT//N6  
CANFLTPAC//N6  
CANSOFCOM//J6  
CFARS National Manager  
CFIOG//Comd/COS  
CFJSR//CO/Ops O  
CFSCE//CO/Ops O  
JTFN//CCO  
MARLANT//N6 Plans  
NAVRES//N6  
USCG//CO/Ops O  
US Army MARS Program Manager

Info

C&E Branch Adjt