

BRIEFING DOCUMENT



IVAO Joint Special Operations Division



**EASTERN
SHIELD**



«Eastern Shield»

First part

08/11/2020

12:00 – 16:00 (UTC)



Introduction

XR MCD and XE MCD Special Operations Departments are pleased to invite everybody to participate in the first part of the joined exercise – the international SO Event «Eastern Shield» taking place on the 8th of November 12:00 – 16:00 UTC.

In the first part, the SO Operations Command Centers of XR and XE have received information about the movement seemingly militarized naval vessels without identification, including submarines near the Prohibited Area ZKP-100. The main task is to investigate the situation and figure out the types of the vessels as well as their quantity. An additional task has also been set – refilling munitions to an Aircraft Carrier.

For the exercise, a forward airfield has been set up, with the temporary code ZKXX.

Roles and Tasks:

- AWACS aircrafts – observation of the exercise region;
- Relay aircrafts – data retranslation;
- Maritime patrol aircrafts - search for submarines;
- bomber fighters – identification and bombing the overwater vessels;
- intercept fighters – ZKP-100 border patrol;
- Tanker aircraft – fighters support for aerial refueling;
- Helicopters – transport of goods to the aircraft carrier.



First part exercises location

The first part of the «Eastern Shield» will take place for Khabarovsk FIR (UHXX) and Pyongyang FIR (ZKPP) – in the Danger Areas UHD-414 and ZKP-100.

For the time of the event, the following NOTAMs will be in force:

XRUHD414/20

TEMPORARY DANGER AREA UHD414 ESTABLISHED WITHIN AREA BOUNDED BY STRAIGHT LINES JOINING SUCCESSIVELY: 423500N1324300E-423500N1325300E-422900N1325300E-422900N1324300E-423500N1324300E

LOWER LIMIT: SFC

UPPER LIMIT: 1100M

ACTIVATION: 08NOV20 1200 - 1600

CONDITIONS OF USE: RESERVED AND DESIGNATED FOR EXCLUSIVE USE BY PARTICIPANTS OF EASTERN SHIELD STEP ONE SPECIAL OPERATIONS EVENT ONLY, NO OTHER AIR TRAFFIC SHALL ENTER DANGER AREA

XEZKP100/20

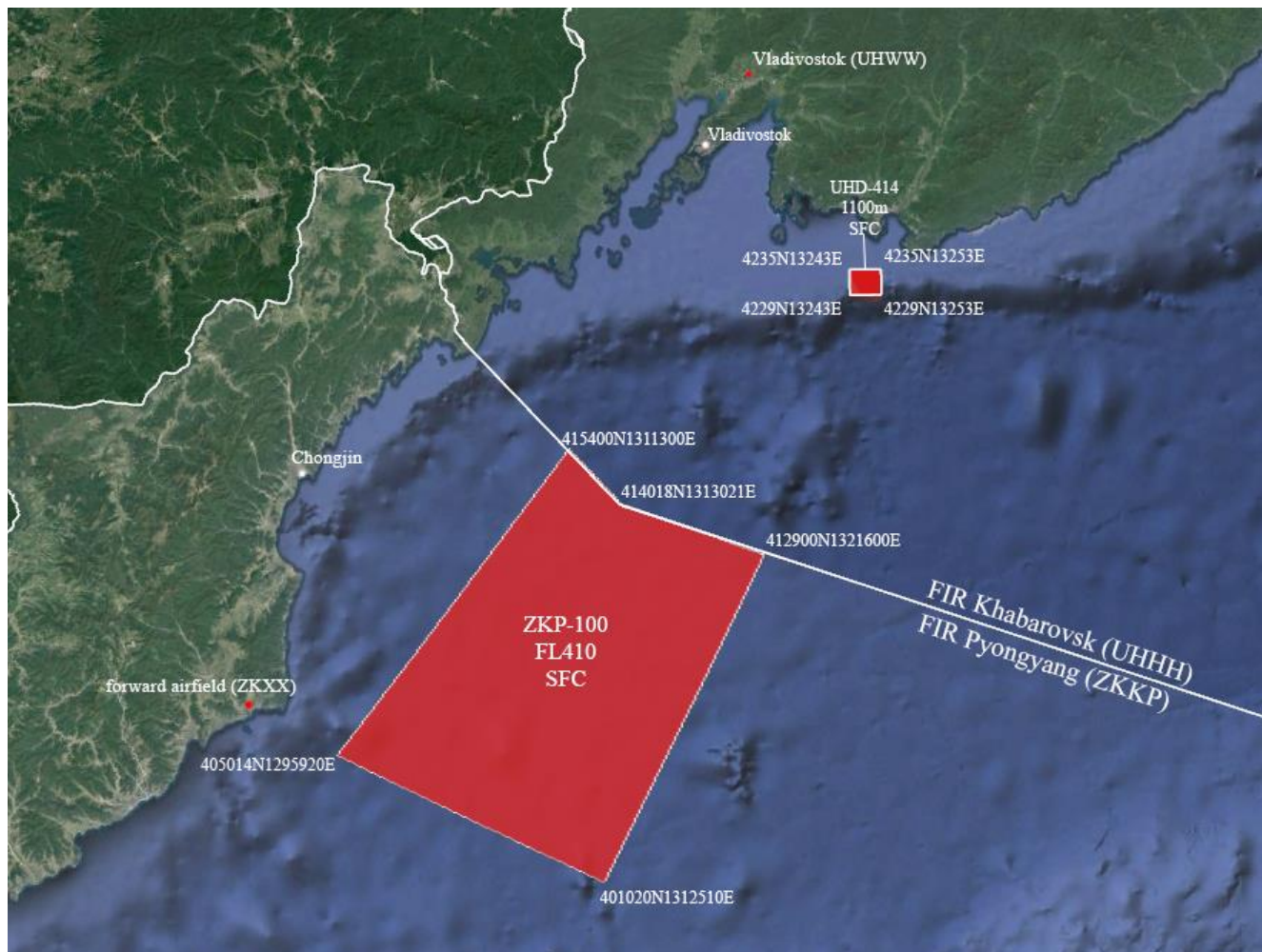
TEMPORARY DANGER AREA ZKP100 ESTABLISHED WITHIN AREA BOUNDED BY STRAIGHT LINES JOINING SUCCESSIVELY: 405014N1295920E-401450N1310912E-391340N1303243E-394936N1282543E-405014N1295920E

LOWER LIMIT: SFC

UPPER LIMIT: FL410

ACTIVATION: 08NOV20 1200 - 1600

CONDITIONS OF USE: RESERVED AND DESIGNATED FOR EXCLUSIVE USE BY PARTICIPANTS OF EASTERN SHIELD STEP ONE SPECIAL OPERATIONS EVENT ONLY, NO OTHER AIR TRAFFIC SHALL ENTER DANGER AREA



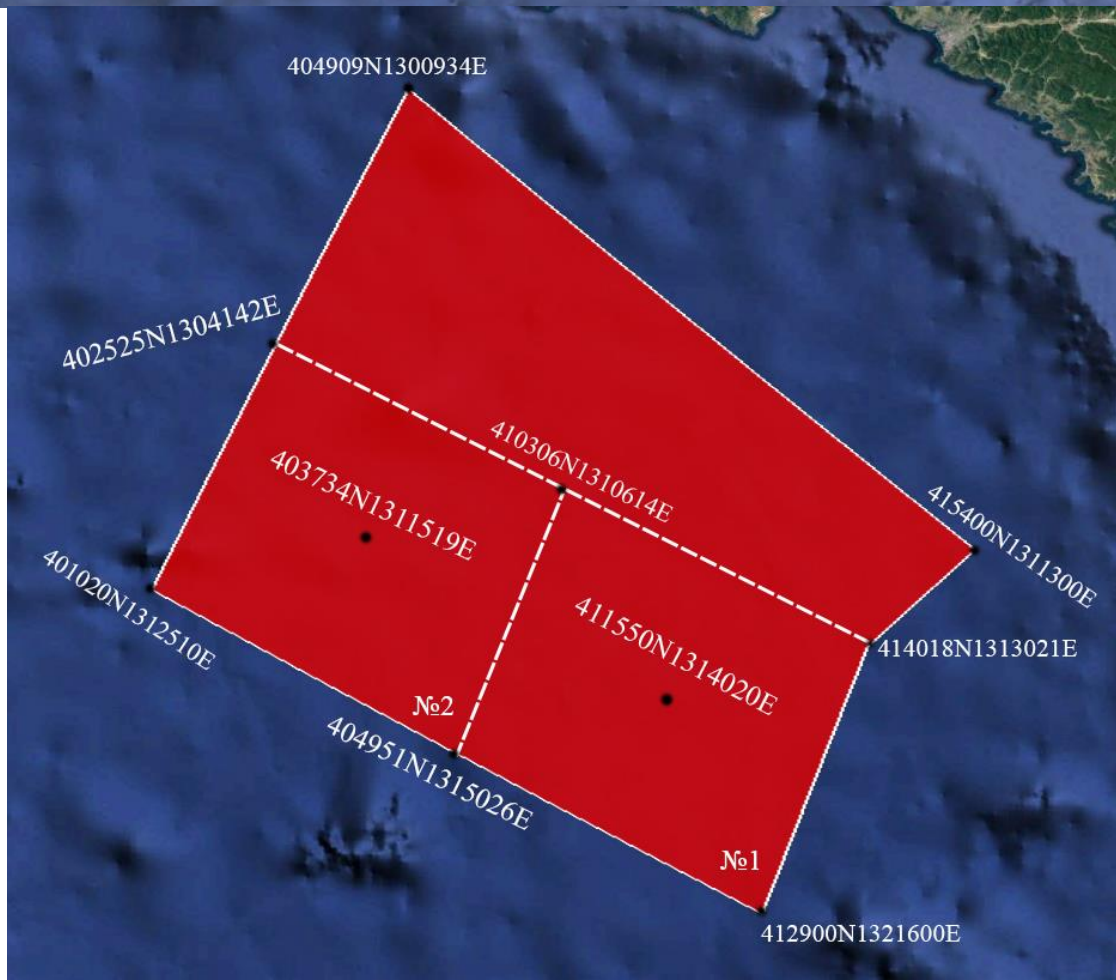
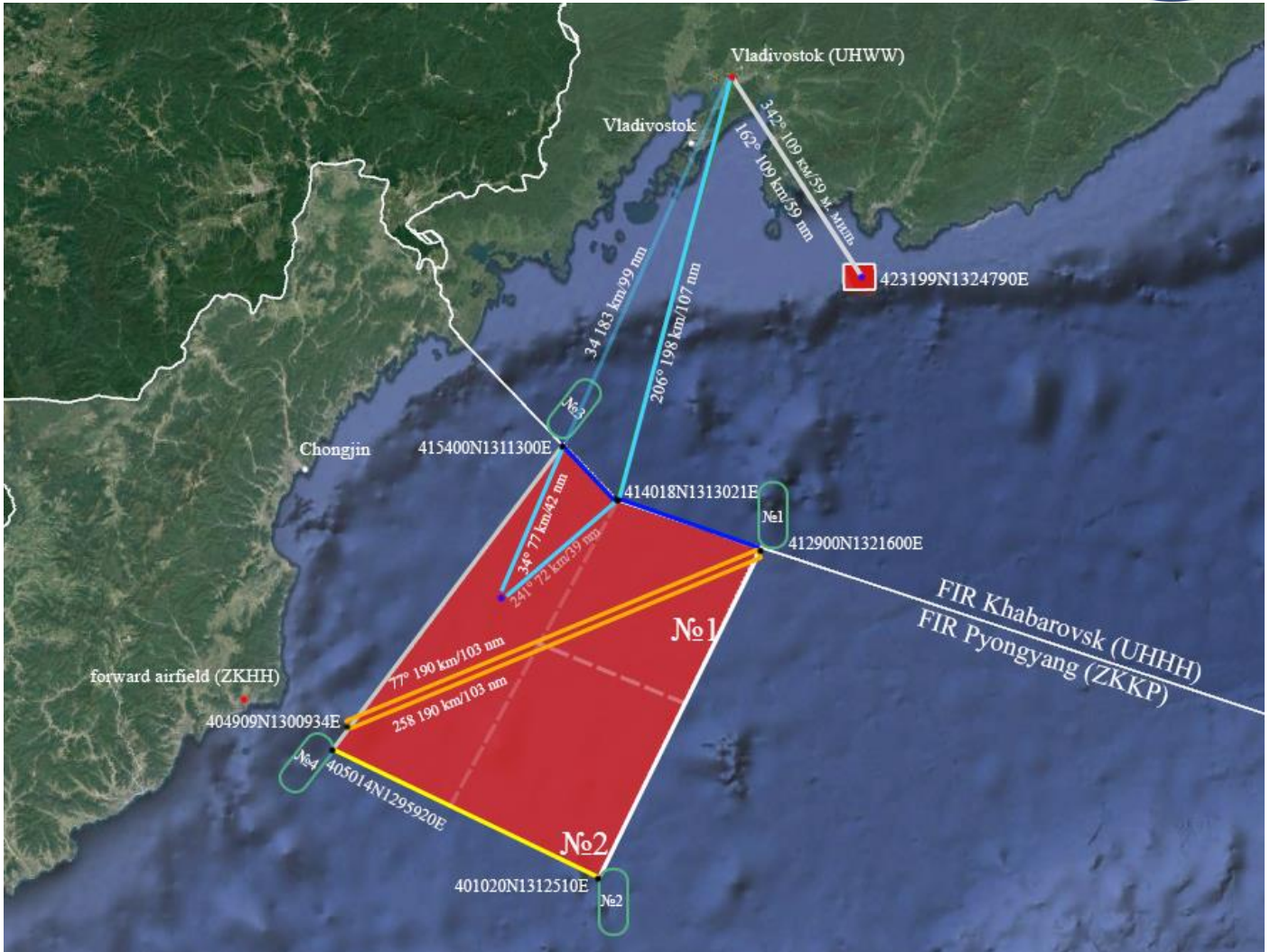


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Flight instructions

AWACS Aircrafts

Types: Heavy aircraft (A-50, E-3C, Boeing E-767 etc.)

Slots: 2

Departure aerodromes: Vladivostok (UHWW), forward airfield (ZKXX)

Departure time: 12:00 UTC

Task: proceed to the designated holding areas (marked as green №1 and №2). Hold in the designated areas until 15:30 UTC at FL360. After finishing, return to the departure airport by direct routing to the VOR/DME. Holding areas will be designated for each one after registration for the event at the HQ-SOD website.

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-A50/H-SDFIY/C

-UHWW1200

-K0550F360 DCT RIVAT STAY1/0330 DCT

-UHWW0400 UHHH

- STAYINFO1/AWACS SIMULATION

Relay aircrafts

Types: Heavy and Medium aircraft (Il-22; An-26PT; E-6A etc.)

Slots: 2

Departure aerodromes: Vladivostok (UHWW), forward airfield (ZKXX)

Departure time: 12:05 UTC

Task: proceed to the designated holding areas (marked as green №3 and №4). Hold in the designated areas until 15:30 UTC at FL220. While in the holding areas, the crews' task is to receive data about submarine locations from maritime patrol aircrafts in the Discord Server of HQ-SOD. After finishing, return to the departure airport by direct routing to the VOR/DME. Holding areas will be designated for each one after registration for the event on the HQ-SOD website.

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-E6/H-SDFIY/C

-ZKXX1205

-K0550F220 DCT 4039N13000E STAY1/0330 DCT

-ZKXX0400 ZKPP

- STAYINFO1/RETRANSLATOR SIMULATION



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Maritime patrol aircrafts

Types: Medium aircraft (Il-38; P-8 Poseidon; Lockheed P-3 Orion etc.)

Slots: 12

Departure aerodrome: Vladivostok (UHWW)

Departure time: by your slot

Task: proceed to ZKP-100 between FL100 and FL180, enter the area through 414018N1313021E to area №1 or №2 (marked as dashed line on the map). After entering ZKP100 descend to 3000/4000 feet. Flight altitude will be determined by the organizers after registration at the HQ-SOD website. Perform a search in the area using the [expanding square technique](#). Each observation of submarines shall be reported to the relay crew at the HQ-SOD Discord Server specifying location coordinates. (search area №1 - relay aircraft in area №3; search area №2 - relay aircraft in area №4). After finishing the search return to 415400N1311300E, and after that to WDT VOR/DME 108.2 return to Vladivostok (UHWW).

Search zone width: 7.4 km/4 nm

Square direction: left

Area №1 center: 411550N1314020E

Area №2 center: 403734N1311519E

Area №1 entry point: 412145N1311817E

Area №2 entry point: 404437N1305413E

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-P8/M-SDFIY/C

-UHWW1200

-K0408F180 414018N1313021E 412344N1311838E/N0250A030

SEARCH

RTE

415400N1311300E

-UHWW0400 UHHH

Bomber fighters

Types: Medium aircraft (Su-24; Su-34; F-35 etc.)

Slots: 14 (and additional slots for formation flights)

Departure aerodrome: Vladivostok (UHWW)

Departure time: by your slot

Task: proceed to ZKP-100 by the route (marked as light-blue on the map) at FL200. After entering ZKP-100 descend to 2000-7000 ft. To establish visual contact with targets (overwater vessels) and bombing (one target of choice). Upon finish climb to FL210 and return to Vladivostok (UHWW).

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-SU29/M-SDFIY/C

-UHWW1200

-K0408F200 4140N13130E 4115N13050E STAY1/A020F070 4154N13113E

-UHWW0120 UHHH



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Intercept fighters

Types: Medium aircraft (MiG-31; Panavia Tornado; F-15 etc.)

Slots: 8

Departure aerodrome: ZKXX

Departure time: by your slot

Task: patrol the borders of ZKP-100 at FL350 for 2 hours (marked as blue, yellow, white and gray on the map). Pilots may exercise aerial refueling upon request after 1 hour of patrol duty. The tanker aircraft might be reached out to at the HQ SOD Discord Server. Upon finish, return to base. Pilots can choose patrol route at the HQ SOD website.

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-MG31/M-SDFIY/C

-ZKXX1200

-N0450F350 4039N13000E 4154N13113E 4039N13000E 4154N13113E 4039N13000E

4154N13113E 4039N13000E 4154N13113E

-ZKXX0400 ZKWS

Tanker aircraft

Types: Heavy aircraft (Il-78; KC-10; KC-135 etc.)

Slots: 1

Departure aerodrome: Forward aerodrome (ZKXX)

Departure time: 12:30 UTC

Task: proceed to refueling area with entry and exit at 404908N1300934E. Fly by the route (marked as orange on the map) at FL250 until 15:20 UTC. Communication with fighters is to be established at the HQ-SOD Discord Server. Upon finish, return to forward aerodrome (ZKXX).

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-KC10/H-SDFIY/C

-ZKXX1230

-N0300F250 4049N13010E 4129N13216E 4049N13010E 4129N13216E 4049N13010E

4129N13216E 4049N13010E 4129N13216E

-ZKXX0400 ZKWS



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Helicopters

Types: Medium helicopters (Ka-29; Bell UH-1Y Venom; Sikorsky SH-60 Seahawk etc.)

Slots: 14

Departure aerodrome: Vladivostok (UHWW)

Departure time: by your slot

Task: deliver goods at a height not greater than 1100m to the aircraft carrier, located within the UHD-414 at coordinates 423199N1324790E. Unloading time: 5 minutes. Upon finish, return to Vladivostok (UHWW).

Flight plan example:

FPL-REG NUMBER OF AIRCRAFT-IM

-KA27/H-SDFG/C

-UHWW1200

-K0185M0110 DCT ZZZZ DCT

-UHWW01000 UHWW

-PAP/4233N13248E0005

ATC Stations

Position	Callsign	Frequency
UHHH_MIL_CTR	Seliger-Control	128.500
ZKKP_CTR	Pyongyang-Control	120.900
ZKKP_MIL_CTR	Pyongyang-Control	120.950
UHHH_CTR	Khabarovsk-Control	133.600
UHWW_R_APP	Vladivostok-Radar	123.400
UHWW_TWR	Vladivostok-Tower	119.500

When outside the CTR and CTA (within UHHH FIR), procedural control is applied.

Pyongyang-Control (ZKKP_MIL_CTR) provides ATC only inside ZKP-100 below FL200

Khabarovsk-Control (UHHH_CTR) only services traffic out of the event.



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Additional information

Sceneries

- Vladivostok (UHWW): [FSX\(P3D\)/X-Plane 10\(X-Plane 11\)](#)
- ZKXX: [FSX\(P3D\)/X-Plane 10\(X-Plane 11\)](#)

Charts

- Vladivostok (UHWW): [AIP Russia. Book 1](#)
- Forward aerodrome (ZKXX): in the scenery package.

Additional sceneries (for first part):

[FSX\(P3D\)](#)
[X-Plane 10\(11\)](#)



If there is a man on the apron of Vladivostok (UHWW), you have installed an additional scenery.

Note: all targets within ZKP-100 are strictly virtual. They are non-existent in the real world and have been created specifically for the event.

If you may have any questions, don't hesitate to e-mail us: xr-specialops@ivao.aero, xe-specialops@ivao.aero