

PG&E Emergency Preparedness & Response Strategy and Execution

2022 PSPS and Wildfire Full Scale Exercise

Observer Briefing

June 10 & June 13-17, 2022

TRUSTED AGENT USE ONLY





Safety Message

Reminder:

Please do not call in if you are driving; please hang up and dial back in when safe to do so - Observe Phone Free Driving Policy.



Earthquake

Know the safest places to drop, cover, and hold, such as under sturdy desks and tables.



Fire

Know your exits, escape routes, and evacuation plan. If safe to do so, use your compliant fire extinguisher. Exit the house and call 911.



Active Shooter

Get out, hide out, take out, and call 911.



Medical Emergency

Know who can perform first aid and CPR. Call 911 if you're alone or share your location with the call leader to send help. If you have an AED, ensure you and others in your household know where it's located and how to use it.



Psychological Safety

- ✓ We care for each other.
- ✓ Look out for one another.
- ✓ Create a safe space for all.
- ✓ Welcome new ideas from everyone.
- ✓ Practice self-care.



Ergonomics

- ✓ Practice **30/30** (every 30 minutes, move & stretch for 30 seconds).
- ✓ Ensure proper ergonomics.
- ✓ Use and update RSI Guard.



Emergency Planning

- ✓ Update emergency contacts via *PG&E@Work for Me*.
- ✓ Create/update a personal emergency preparedness plan.



COVID-19

- ✓ Wash hands frequently
- ✓ Wear a mask when required
- ✓ Get vaccinated if you are able to
- ✓ Follow current CAL-OSHA regulations and local county health orders.
- ✓ Visit COVID-19 employee site for latest updates and tips.



Purpose

- Review expected responsibilities and actions for Observers
- Provide an overview of the 2022 Public Safety Power Shutoff (PSPS) & Wildfire Full-Scale Exercise (FSE)
- Review Virtual EOC environment
- Discuss exercise roles and responsibilities of Observers during the exercise
- Review exercise rules and expectations including:
 - Timing
 - Observer Actions
 - Communications
 - Participant Feedback

Agenda

- Exercise Overview
- Exercise Logistics
- Virtual Exercise Guidance
- Observer Guidance
- Final Reminders

Exercise Overview

PSPS & Wildfire Exercise Series Overview

Exercise Name	2022 PG&E PSPS & Wildfire Full Scale Exercise
Exercise Dates	Readiness Posture: June 10 th , 2022 0900-1600 Main Full-Scale Exercise: 13-17, 2022 0600-1800
Region	PSPS Event: Systemwide Wildfire: TBD
Exercise Scope/Scenario	A PSPS Event impacting all Regions, with a Wildfire Ignition taking place mid-way through the event
Location	Virtual (MS Teams), Vacaville Emergency Response Center (VERC) and corresponding field emergency and coordination centers
Plans	<ul style="list-style-type: none">• Company Emergency Response Plan• PSPS Annex• Wildfire Annex• Others, e.g. LOB-specific guidance, External Agency Plans/Procedures
Staffing	<ul style="list-style-type: none">• EOC, REC, and OEC Incident Management Teams; Field Crews; External Agency Partners
EP&R Exercise Team POCs	<ul style="list-style-type: none">• [REDACTED]• [REDACTED]

Exercise Assumptions

Assumptions help ensure the exercise is realistic, and frame the “rules” for exercise play.

- The exercise will be conducted in a no-fault environment where systems, processes, and outcomes—not individuals—will be evaluated
- The exercise scenario is plausible, and events occur as they are presented
- Exercise simulation contains sufficient detail to allow Players/Observers to react to information and situations as if the simulated incident were real
- Participating teams may need to balance exercise play with real-world emergencies. If they occur, real-world emergencies take priority

Exercise Artificialities

Artificialities are designed to alleviate potential constraints that could detract from exercise realism

- Exercise communication and coordination is limited to participating exercise organizations and venues listed in the Player Phonebook. The SimCell will simulate all other entities or organizations
- Certain positions and agencies will be simulated. Exercise simulation will be realistic and plausible and will contain enough detail from which Players can respond
- Players should report virtually or physically if in a field designated position to the exercise at StartEx, and should presume to be “activated” within the simulated exercise world
- Certain resources may purposefully be unavailable or available only in part to ensure exercise objectives can be accomplished
- Tech down procedures (e.g., satellite phones, radios) will be simulated; all exercise communications will be via telephone and email

Exercise Artificialities (2/2)

Artificialities are designed to alleviate potential constraints that could detract from exercise realism

- The five days of exercise conduct will be viewed as one Operational Period per day with night shift being simulated, providing shift transition collateral every morning
- All phases of a PSPS Event will be exercised, beginning with Readiness Posture on day 1 of exercise play (refer to the ProFlow in the Exercise Plan)
- Field operations will only patrol a select number of circuits; all other patrol and restoration updates will be simulated
- Under no circumstances will power be de-energized during this exercise

Exercise Objectives: Enterprise-Wide Response

Planning: Implement a PSPS planning cycle according to CERP procedures and ICS principles that uses the circuit information provided to conduct a PSPS, and develop a restoration plan prior to receiving the "All Clear" from the Officer-in-Charge

Operational Coordination and Communication: Implement a response structure that effectively integrates EOC sections, LOBs, field crews, and external partners into a cohesive team capable of successfully aligning operational activities with internal and external priorities to safely manage the PSPS event

Public Information and Warning: Communicate strategic messages to key audiences including PG&E personnel, the public, response partners, and customers including developing press releases, social media posts, and FAQs for the public and delivering required notifications to Cal OES, CPUC, and other regulatory bodies

Situational Awareness: Support company-wide situational awareness by establishing and maintaining a common operating picture across the response organizational structure to meet the needs of relevant internal and external stakeholders impacted by PSPS (e.g., critical, medical baseline, and commercial customers)

Critical Resources: Analyze the impacted area to prioritize available resources in a way that reduces physical security concerns and minimizes impacts of the shutoff to company facilities and other critical infrastructure

Fire Management and Suppression: Provide support to firefighting activities to manage and suppress fires of all types and complexities while protecting the lives, property, and the environment in the affected area.

Natural and Cultural Resources: Protect natural and cultural resources and historic properties through appropriate planning, mitigation, response, and recovery actions to preserve, conserve, rehabilitate, and support to restore them consistent with post-disaster community priorities and best practices and in compliance with applicable environmental and historic preservation laws and executive orders.

Exercise Terminology & Authority

- **STARTEX:** Start of the exercise
 - Can only be called by the Exercise Director or Lead Controller
- **PAUSEEX:** Global or local brief suspension in play
 - Global PAUSEEX is called by the Exercise Director or Lead Controller when all organizational units will pause exercise operations for a short period of time or between exercise conduct days
 - Local PAUSEEX is called by the on-site Controller and communicated to the Lead Controller and Exercise Director when a localized safety issue or brief training moment is required
- **RESUMEEX:** Resumption of the exercise
 - Called by the Exercise Director or Lead Controller to resume exercise play after a short pause or to start a subsequent exercise conduct day
- **ENDEX:** End of the exercise
 - Can only be called by the Exercise Director or Lead Controller once time has run out or the exercise objectives have been accomplished

PSPS FSE Daily Exercise Schedule & Player Location

Activity	Day 1 (RP)	Day 2-6	Location
Controller, Evaluator, and Simulator (CES) Daily Briefing	0830	0545	CES Daily Brief & Bridge Line
Opening Remarks	0900	--	EOC Main Meeting Invite
STARTEX	0900	--	EOC Main Meeting Invite
RESUMEEX	--	0600	EOC Main Meeting Invite
Exercise Play (w/ working lunch)	0900-1600	0600-1800	EOC Sections Meeting Invites Emergency or Coordination Centers
PAUSEEX/ENDEX	1600	1800	EOC Main Meeting Invite
C/E/S Daily Hotwash	1600	1800	CES Daily Brief & Bridge Line
Section Transitions	1545-1600	1745-1800	EOC Sections Meeting Invites
Player Hotwash		1600 Day 6 only	EOC Main Meeting Invite

CONFIDENTIAL

Scenario Overview

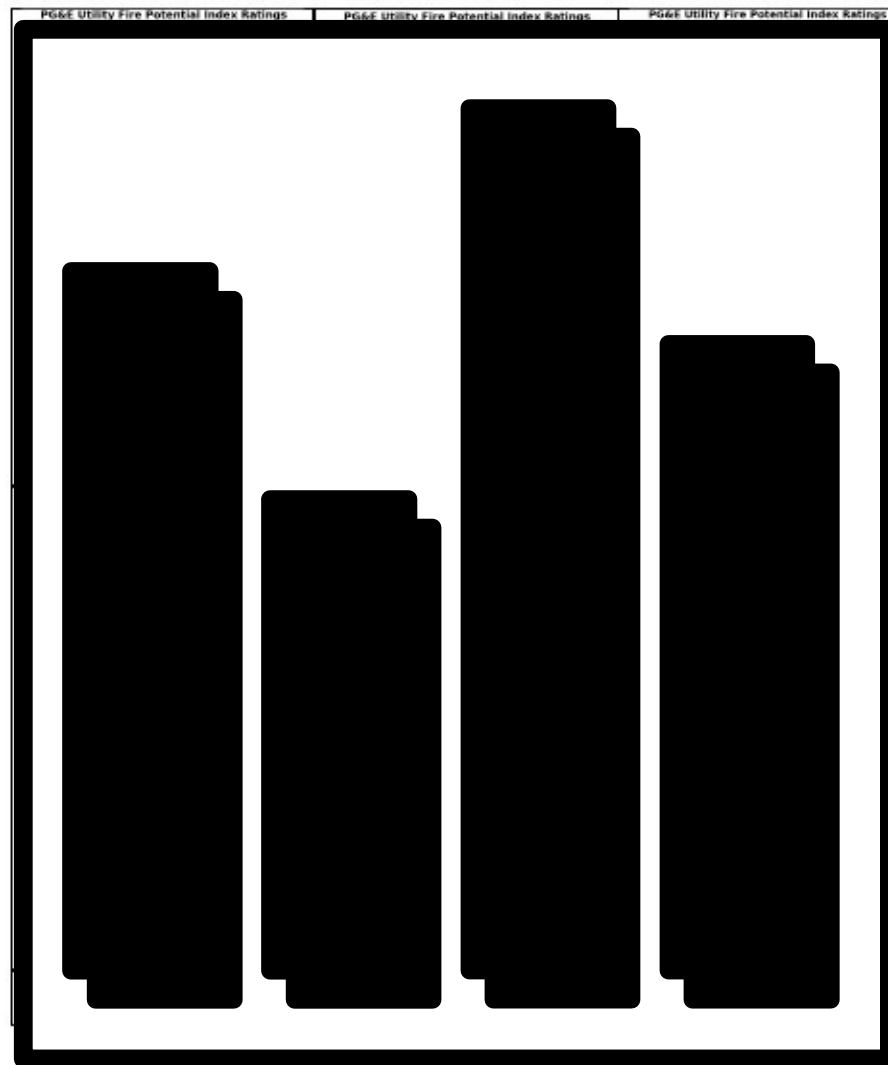
Meteorology Scenario

PG&E Meteorology is tracking variable weather conditions. A dry, offshore wind event is expected to develop Thursday, June 16th, 2022, with increasing winds during the late morning timeframe, before reaching peak intensity Thursday evening. Wind speeds are expected to be highly variable, reaching 25 – 35 mph with gusts 45 – 55+ mph across elevated terrain. The Meteorology Services team implements a Distribution System Operations (DSO) Storm Outage Prediction Project (SOPP) model to determine the severity of the incident.

The SOPP is used to predict the daily outage volume and resources needed to respond to weather events. DSO SOPP Model is projecting a Cat 2 system total wind event, with Cat 3 outage totals possible for a couple of divisions, indicating that significant adverse weather is possible. The DSO SOPP model is showing the potential for up to 69,000 customers to be impacted on Thursday, June 16th and around 42,000 for Friday, June 17th.

Winds will decrease below outage producing thresholds between 0700 and 0900 hours on Friday, June 17th. DSO SOPP model and derivate products show typical resource requirement for a wind event; no resources have been added to account for increased patrolling needs. Given the extremely dry conditions, Extreme-Plus fire danger is expected between 1200 Thursday and 1200 Friday in Fire Index Areas (FIA) 120, 130, 140, 175, 180, 190, 241, 246, 247, 248, 280, 282, 300, 305, 320, 330, 335, 340, 345, 348, 424, 427, 428, 430, 438, 440, 445, 448, 500, 505, 508, 510, 512, 518, 520, 530, 535, 540, 588, 590, 651.

Event Scope- Fire Potential Index



Internal Participation

- | | |
|--|--|
| <ul style="list-style-type: none">▪ Electric Distribution▪ Transmission Grid Operations▪ Electric Transmission▪ Electric Field Operations▪ Information Technology▪ Electric Incident Investigations▪ Corporate Safety▪ Corporate Security▪ Corporate Real Estate▪ Strategy and Services (CRESS)▪ Aviation Services▪ Corporate Affairs | <ul style="list-style-type: none">▪ Customer Care▪ Human Resources▪ Marketing & Communications▪ PSPS Technology/Operations▪ Meteorology▪ Public Affairs▪ Temporary Generation▪ Hazard Awareness & Warning Center (HAWC)▪ Finance▪ Vegetation Management▪ Power Generation▪ Gas Operations▪ PPS PMO▪ Safety and Infrastructure Protection Team |
|--|--|





External Participation

- | | |
|---|--|
| <ul style="list-style-type: none">▪ CAL FIRE▪ Cal OES▪ CPUC▪ CA Dept of Water Resources▪ NCPA (Transmission Customers)▪ Alameda County▪ Yolo County▪ Yuba County▪ Tuolumne County | <ul style="list-style-type: none">▪ Community Based Organizations▪ Telecom Agencies▪ Governor's Observation Group▪ SCE▪ AFN Partners |
|---|--|

Virtual Exercise Logistics

EP&R | Strategy & Execution MS Teams Sites



 Name: Exercise Environment	 Name: Virtual EOC
<div data-bbox="316 448 780 1220">  Exercise Environment ... <ul style="list-style-type: none"> General Exercise Command Chat Exercise Customer Strategy Chat Exercise Demobilization Unit Chat Exercise EOC Main Floor Chat Exercise Finance Admin Chat Exercise Intelligence and Investigation Chat Exercise Liaison Chat Exercise Logistic Chat Exercise Operations Chat Exercise PIO Chat Exercise Planning Section Chat Exercise REC and OEC Chat Exercise Safety Chat Exercise Temp Gen Chat Restricted Exercise Controller Evaluator ... Restricted Exercise Planners Restricted Exercise Sim Cell Tech Exercise Support and File Share </div>	<div data-bbox="991 448 1628 1155">  Virtual EOC ... <ul style="list-style-type: none"> General Command Customer Strategy EOC Main Floor Finance and Admin ICS 214 - Activity Log Liaison Logistics Operations PIO Planning 7 hidden channels </div>

Don't:
Do **not** go to Virtual EOC site for exercise templates or files.
Do **not** store Exercise documents in Virtual EOC site.

Virtual EOC Exercise Environment in MS Teams

Use and Access for Members and Guests		
	Internal Participants with LAN ID Controller/Evaluator/Simulator (CES) Player and Observer	External Participants without LAN ID Controller/Evaluator/Simulator (CES) Player and Observer
Role	CES, Players, Observers are the role(s) in the exercise.	CES, Players, Observers are the role(s) in the exercise.
Access	CES, Players, Observers with LAN ID will have Member access.	CES, Players, Observers without a LAN ID will have Guest access.
Functionality	<p>Members have full functionality in MS Teams with access to chat and files.</p> <ul style="list-style-type: none"> ○ access chat via meeting link ○ share content via chat in channels ○ edit messages <p>Members shall not</p> <ul style="list-style-type: none"> • create private channels • store exercise collateral in channels • delete and restore channels • add, remove, upload apps • delete messages 	<p>CES, Players, Observers can join MS Teams meetings by dialing in or using a meeting link.</p> <p>CES, Players, Observers have limited functionality but can view presentations and chat via meeting link.</p>
Typical Activities	<p>Internal and External Observers shall not</p> <ul style="list-style-type: none"> • engage in conversation • use the chat feature during the exercise 	
	<ul style="list-style-type: none"> • Cooperator Calls (dial in) • Scheduled MS Teams Meetings • MS Teams Open Bridge Meetings • Information Sharing via Chat 	<ul style="list-style-type: none"> • Cooperator Calls (dial in) • Scheduled MS Teams Meetings • MS Teams Open Bridge Meetings • Information Sharing via Chat

Virtual EOC Exercise Environment in MS Teams

EOC Section (Teams Channel in the Exercise Environment)	LOB	Controller/Evaluator
Exercise Operations Environment	ED	Controller/Evaluator for each LOB/ EOC Section
	ET	
	Gas	
	IT	
	Vegetation Management	
	Power Gen	
	DCPP	
	Temp Gen	
Exercise Command Environment	Safety	
	Legal	
	EOC Commander	
Exercise Planning Environment	Meteorology	
	PSPS Tech	
	HAWC	
Exercise Customer Strategy Environment	Customer Care	
Exercise Finance and Admin Environment	Human Resources	
	Finance	
Exercise Logistics Environment	Logistics	
	Security	
	CRESS	
Exercise Public Information PIO Environment	Marketing and Communications	
Exercise Liaison Environment	Corporate Affairs	
REC & OEC Posting Channel	REC & OEC	

Dial In Meetings (no Outlook Invite)

Time	Call Name	Call Description and Purpose
7:00	Liaison Team Check In	The Liaison Branch Director will host this meeting twice daily to provide situational awareness of the potential PSPS event by reviewing the latest Situation Report. This will also be an opportunity for Liaison team to raise questions from agencies that require EOC support. External participants are to observe only, no engagement with the team during this call will be allowed.
10:00	Operational Areas & Tribal Cooperators Call	The purpose of this meeting is to provide situational awareness related to the current PSPS event and provide an opportunity for your local agency to ask questions.
12:00	System Wide Cooperators Call	The purpose of the PSPS Systemwide Cooperators Call is to provide situational awareness to Public Safety Partners within the service territory. This includes local and tribal elected officials, staff and emergency managers, telecommunications providers, water agencies, emergency hospitals, publicly owned utilities, community choice aggregators, transportation authorities and community-based organizations within PG&E's electrical service territory, not just those in scope. No Q&A will take place during this call. External partners are directed to the PG&E representative for additional information.
2:00	Liaison Team Check In	The Liaison Branch Director will host this meeting twice daily to provide situational awareness of the potential PSPS event by reviewing the latest Situation Report. This will also be an opportunity for Liaison team to raise questions from agencies that require EOC support. External participants are to observe only, no engagement with the team during this call will be allowed.
3:00	Operational Areas & Tribal Cooperators Call	The purpose of this meeting is to provide situational awareness related to the current PSPS event and provide an opportunity for your local agency to ask questions.
3:30	State Executive Briefing	The purpose of this meeting is to provide situational awareness to state agencies and provide an opportunity for state agencies to ask questions."

Observer Guidance

Observer Guidance

Regulatory Relations has provided the following guidance in the event an external observer begins engaging with players during the exercise.

- Multiple external agencies are on hand to observe the exercise.
- They will have unrestricted access to all the rooms and conference calls established using MS Teams.
- PG&E has instructed observers not to participate or engage with Players in the exercise.
- While observers should not interrupt or ask questions about the exercise, please notify [REDACTED], Exercise Director immediately if this should happen.

Safety and Real-World Emergencies

- Safety and real-world emergencies take priority over exercise events
 - If there is an unsafe situation, stop activity
 - Report all minor accidents and injuries to the Lead Controller
 - For all major accidents or injuries, call 911
- **“REAL-WORLD EMERGENCY”** is the designated phrase that indicates there is a real emergency

Before the Exercise

- On Day 1, Join MS Teams by 0900
- The FSE will RESUME-EX on Day 2- 6/13 at 0600
- Review appropriate documents
 - ExPlan
 - Observer Guide

During the Exercise (1/2)

- If you are an external Observer, please use the link that was sent to check in and out daily.
- The observer role is a controlled role and limited to observation and listening. Communication between players and observers is not allowed during the exercise.
- Observers should reach out to the Exercise Design Team if they have any questions or comments.
- Observers will be invited to meetings by leads or section chiefs or EOC players.
- Observers should consult with their leads for advice on which meetings they should plan to attend.
- Start of day and end of day meetings will take place in the EOC Main Floor Meeting Invite. All Observers are welcome to attend EOC Main Floor meetings, but their role is limited to observation and listening.

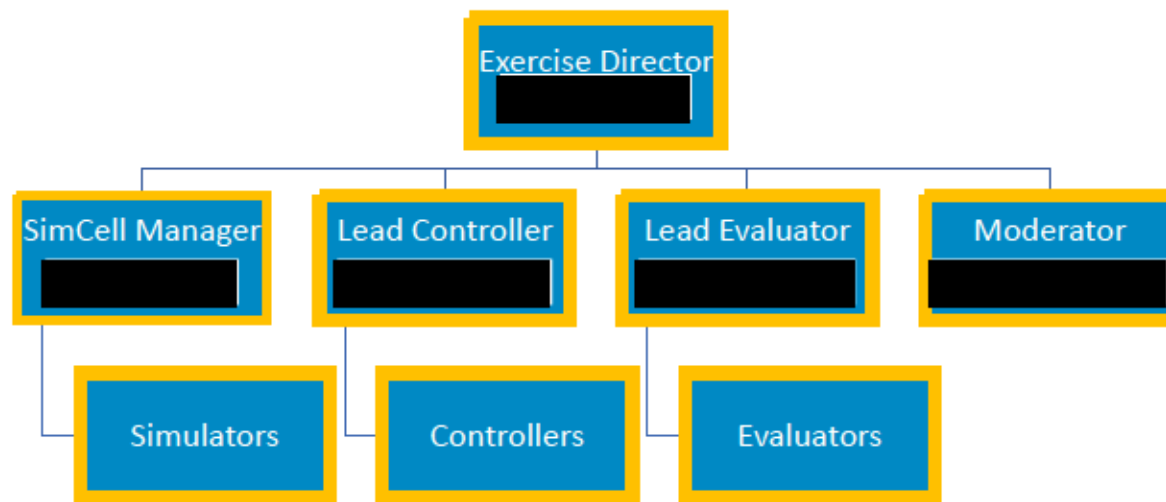
Exercise Materials

Document Type	Audience	Purpose
Exercise Plan (ExPlan)	Players, Observers	Provides participants with a synopsis of the exercise
Controller/Evaluator/ Simulator (C/E/S) Handbook	Controllers, Simulators, Evaluators	Describes the roles and responsibilities of exercise Controllers and Evaluators, as well as the procedures they should follow during the exercise
Master Scenario Events List (MSEL)	Controllers, Simulators, Evaluators	Contains a chronological listing of the events that drive exercise play
Exercise Evaluation Guides (EEGs)	Evaluators	Provides Evaluators with information on what they should expect to see during exercise play

Exercise Roles

- **Players:** Players are personnel who perform their regular roles and responsibilities during the exercise. Players initiate actions in response to the simulated emergency.
- **Controllers:** Controller's plan and manage exercise play, set up and operate the exercise sites, and/or portray the roles of organizations or individuals that are not playing in the exercise
- **Simulators:** Simulators are control staff personnel who role play nonparticipating organizations or individuals
- **Evaluators:** Evaluators observe and document performance against established exercise objectives and critical tasks in accordance with Exercise Evaluation Guides (EEGs)
- **Observers:** Observers visit or view selected segments of the exercise. Observers do not play in the exercise, nor do they perform any control or evaluation functions
- **Support Staff:** The exercise support staff includes individuals who perform administrative and logistical support tasks during the exercise

Exercise Control Organization



Exercise Phone Book

- Reference for all communications related to the exercise
- Includes contact information for individuals, groups, external agencies, off-site addresses, all player positions, and simulated entities



Final Reminders

Documents

All information in this briefing is covered in more detail in the ExPlan and Observer Guide.

- **ExPlan**
 - Exercise and Scenario Overview
 - Exercise Rules and Guidance
 - Exercise Evaluation
 - Player Information and Guidance
 - Player Instructions
 - Exercise Participants
- **Observer Guide**

Logistics & Materials

Exercise Logistics

Location: Virtual MS Teams and corresponding field emergency and coordination centers

- **Dates:** June 10th (RP), 13-17th 2022

Exercise Materials

- Review appropriate materials prior to StartEx
- All other materials will be provided during the exercise

Contacts

- **Contact the EP&R Exercise Team with remaining questions**
 - Exercise Director- [REDACTED]
 - Lead Controller – [REDACTED]
 - SimCell Manager – [REDACTED]
 - Lead Evaluator – [REDACTED]
 - Moderator- [REDACTED]

Questions

PG&E Emergency Preparedness & Response Strategy and Execution 2022 PSPS and Wildfire Full Scale Exercise **Player Briefing**

June 10 & June 13-17, 2022

TRUSTED AGENT USE ONLY

