

DRAFT “Building Private-Public Partnerships Guide”

DIVISION NAME: National Integration Center

ACTION REQUIRED: Review and Provide Recommendations for Content Input

DUE: NLT December/10/2020

PURPOSE/BACKGROUND: The National Integration Center (NIC) is currently drafting the “Building Private-Public Partnerships Guide.” The guide provides recommendations and best practices for jurisdictions to establish and maintain a private-public partnership (P3) to help coordinate mitigation, response and recovery planning and preparedness. The guide will help both public and private sector emergency managers at all levels collaborate to increase community resilience. While the guide is written from a local perspective, any jurisdiction or private entity can use it.

The NIC and FEMA’s Office of Business, Industry, Infrastructure and Integration (OB3I) began coordinating with associations representing emergency management, government administration and the private sector in January 2020. That coordination with these key partners has continued throughout the guide’s development process. Several federal partners, such as the Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency (CISA), have also been engaged in the effort.

The NIC is currently seeking content input from whole community partners. This review affords an opportunity to review and provide substantive content recommendations for continued development and refinement of the draft. The results of this review will inform the development of the published version of the P3 Guide for whole community use.

As you review the document, consider:

- Identifying areas that may be confusing;
- Providing success stories or best practices; and
- Identifying additional job aids, training opportunities or resources for inclusion.

A comment form is included with the current draft for documenting and providing feedback to the NIC. Please submit feedback forms to NPD-Planning@fema.dhs.gov by December 10, 2020.

NOTE: Due to recent updates to fema.gov and other websites referenced in this document, all links may not be functional. We are aware of this issue and plan to update links in a subsequent draft.

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Building Private- Public Partnerships

November 2020

NATIONAL ENGAGEMENT DRAFT



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1. Introduction

Private-public partnership (P3)¹ activities already exist, but most jurisdictions are not actively or consciously leveraging their full potential. This guide provides recommendations for jurisdictions to optimize the P3 elements they may already have and methods to identify and fill any gaps.

1.1. Purpose

This guide provides recommendations and resources for a jurisdiction² to establish and maintain a P3 to help coordinate mitigation, response and recovery planning and preparedness. It will help both public and private sector emergency managers at all levels collaborate to increase community resilience. The models in this guide highlight interdependencies among businesses, industries, community organizations and government agencies. The recommendations facilitate developing, managing and scaling P3s to strengthen life safety, economic security and community resilience.

The guide helps to:

- Promote why, what and how to build relationships, communicate and share information between private sector and state, local, tribal and territorial (SLTT) public sector emergency management partners;
- Engage P3s in resilience-building and response-oriented actions based on community lifelines, supply chains and related economic activity;
- Build resilience by integrating the private sector into mitigation planning and actions;
- Involve local businesses in emergency operations planning and response; and
- Integrate disaster recovery planning with economic development.

1.2. Target Audience

This guidance is intended for both public and private sector emergency managers at all levels within a given jurisdiction. This includes private sector organizations or entities that help plan and build

¹ A P3 is any type of informal or formal cooperative arrangement between two or more organizations of private industry and the public sector for their mutual benefit that is designed to ensure the life safety, economic security and resilience of jurisdictions.

² For this guide, “jurisdiction” begins at the local level – a county, a city or a town or combination of jurisdictions such as a Council of Governments or Homeland Security Region. It applies to the private sector, as it is a critical part of a jurisdiction. The term also applies to a state, tribe or territory.

24 resilience, coordinate mitigation and plan and prepare for response and recovery within a
25 jurisdiction. This guidance is intended for any jurisdiction or private entity's use.

26 **1.3. Background**

27 “The private sector plays a vital role in emergency management and incident response and
28 should be incorporated into all aspects of NIMS. Utilities, industries, corporations, businesses,
29 and professional and trade associations typically are involved in critical aspects of emergency
30 response and incident management.”

31 *National Incident Management System, 2017*

32 In 2020, America experienced record-breaking fires, hurricanes, floods and a pandemic, and these
33 events stressed the ability of jurisdictions and the nation to respond and recover. During these
34 incidents, the federal government relied on the Emergency Support Function (ESF) and Recovery
35 Support Function (RSF) partnerships and FEMA's National Business Emergency Operation Center
36 (NBOEC) to coordinate with the private sector regarding national response and recovery efforts.

37 The concept for establishing and integrating local P3s regionally was promoted in the 2013 National
38 Infrastructure Protection Plan (NIPP). Jurisdictions can use P3s to improve critical infrastructure
39 security and build resilience with relevant stakeholders. For local jurisdictions, this may include
40 economic development districts, as many business and industry associations, alliances, coalitions
41 and organizations operate at a sub-state regional level.

42 “There is empirical evidence that regional Public Private Partnerships, built on private sector
43 operational leadership approaches, can be a bridge to the public sector and give the private
44 sector an equal role in the process.”

45 *2013 National Infrastructure Protection Plan (NIPP)*

46 In 2017, the National Emergency Management Association (NEMA) developed guidance for
47 integrating the private sector into emergency management planning, preparation and operations.³
48 The guidance highlighted the value of formal P3 programs and use of business emergency
49 operations centers (BEOCs). Several states and other jurisdictions have implemented this guidance,
50 which has significantly improved coordination among the private and public sectors.

51 In conjunction with the release of the 2019 National Response Framework (NRF), FEMA established
52 a Cross-Sector Business and Infrastructure ESF, or ESF #14. It was created to facilitate cross-sector
53 coordination and collaboration between business, critical infrastructure and government
54 stakeholders (not aligned under other ESFs) to prevent or mitigate the potential of cascading failures

³ See the NEMA Building Operational Public Private Partnerships Guide at
https://www.uschamber.com/sites/default/files/nema_-_building_operational_ppp_guide_7_24_17.pdf.

55 across multiple sectors. In addition, the update to the NRF introduced the concept of community
56 lifelines⁴ to improve coordination and communication through a construct that is easily understood
57 by both the private and public sectors. Many community lifelines are intertwined with the private
58 sector for providing the economic foundation and social well-being of any jurisdiction. Private sector
59 organizations provide the services and resources that can define the culture of a jurisdiction.
60 Although local governments exhibited resilience adapting to and managing the risks and
61 consequences of recent disasters, P3s optimize coordination and integration with the private sector.

62 Most recently, based on the Title VII authority in the Defense Production Act,⁵ FEMA established a
63 five-year voluntary agreement for Manufacture and Distribution of Critical Healthcare Resources
64 Necessary to Respond to a Pandemic in August 2020. This agreement allows federal departments
65 and agencies to engage with private sector partners to develop sector-specific plans of action for
66 improved information sharing and coordination within supply chain networks for COVID-19 and
67 future pandemics. The federal government can now plan for preparedness response activities with
68 private sector partners and acquire and use real-time data to make important decisions.

69 In many ways the needs of public and private sector partners in a small county or a mid- to large-size
70 city are the same prior to, during and after a disaster. Businesses, industries, community
71 organizations and government agencies are interdependent for daily business operations. Their
72 differences are not necessarily in what they need to achieve, but how they do so during an incident.
73 The simplicity or complexity of collaborating with the private sector as it resumes normal business
74 operations is often driven by the size of the jurisdiction, scope of the incident and strength of
75 stakeholder relationships. Building P3s throughout the emergency management community
76 facilitates life safety, economic security and community resilience.

77 Throughout this guide, four types of callout boxes identify key information:

78  Examples

79  Noteworthy Ideas

80  Questions to Consider

81  Additional Resources

⁴ For more information on Community Lifelines, see <https://www.fema.gov/emergency-managers/practitioners/lifelines>.

⁵ For information on the Defense Production Act, see <https://www.fema.gov/disasters/defense-production-act/dpa-authorities>.

82 2. Building Resilience through Private-Public 83 Partnerships

84 “...Government Emergency Managers can't do it alone...there are too many complex
85 interconnected systems. Risk reduction is only possible through multidisciplinary collaboration
86 between public safety, community development, economic development,
87 engineering/infrastructure, and public health...inside and outside your jurisdiction. And then you
88 need to involve businesses (owners of the majority of the infrastructure), non-profits (disaster
89 relief experts), and citizens (the real 1st responders in an emergency) to capture the majority of
90 players in this space.”⁶

91 *Justin Kates, “Resilient Nashua Initiative”*

92 Collectively, communities can truly understand and assess their needs and determine the best ways
93 to organize and strengthen their assets, capacities and interests to ensure that individuals, families
94 and organizations are safe, secure and resilient.

95 2.1. Types of P3s

96 Different types of P3s serve various purposes. Each type of P3 meets the specific purpose and need
97 of the entities that establish the partnership. Some P3s are essentially as this guide describes, but
98 some differ based on their focus. The focus of the P3s in this guide is emergency management, and
99 this guide defines P3s as follows:

100 A P3 for emergency management is any type of informal or formal cooperative arrangement
101 between two or more organizations of private industry and the public sector for their mutual
102 benefit that is designed to ensure the life safety, economic security and resilience of
103 jurisdictions.

104 The simplicity or complexity of collaborating with the private sector is often driven by the size of the
105 jurisdiction, the risk involved and the strength of stakeholder relationships. In many ways the needs
106 of public and private sector partners in a small county or a mid- to large-size city are the same prior
107 to, during and after a disaster. For a jurisdiction, the ultimate focus are its residents.

108 For this guide the use of “private-public partnership” was a deliberate decision to signify a difference
109 from most other P3s, which use “public-private partnerships.” A public-private partnership has
110 limited benefits for the private partner, but engaging in a public-private partnership has many
111 benefits for a local government, but also has many risks. Often a finance-based public-private

⁶ Kates, Justin. Update #5 of “Resilient Nashua Initiative” at
<https://courbanize.com/projects/resilientnashua/updates/27009>.

112 partnership is used during disaster recovery. Choosing a correct contract model for a finance-based
113 public-private partnerships for complex scopes of work is critical.

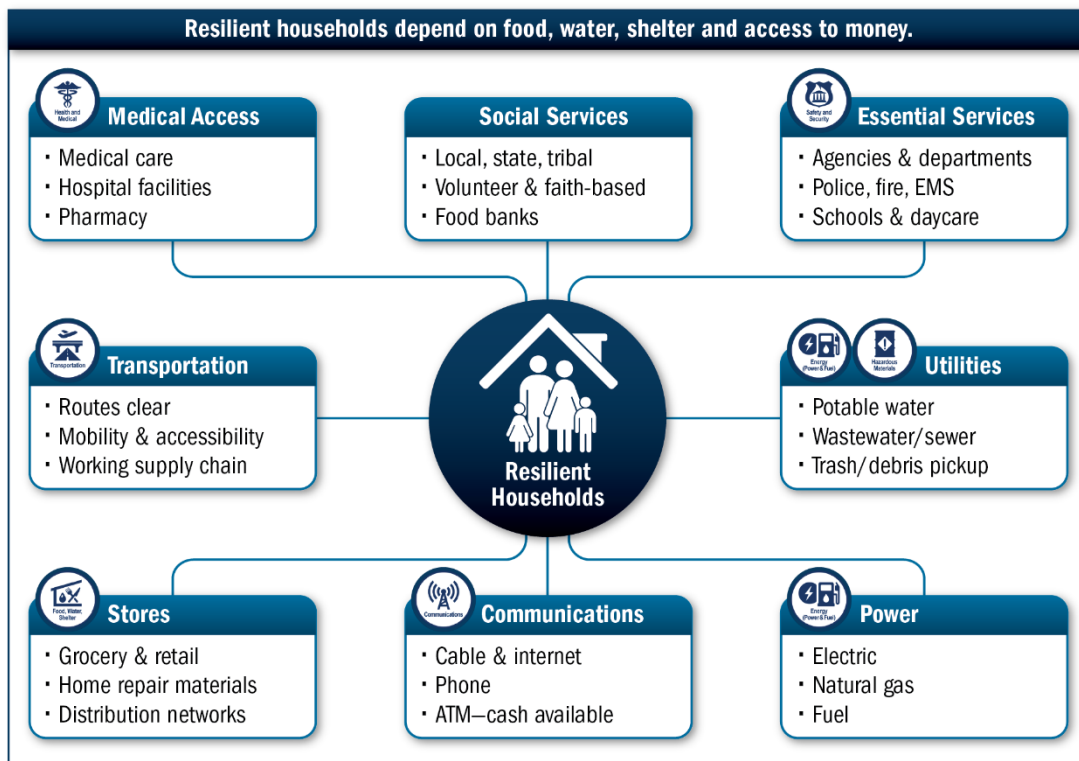
114  **Resources for Finance-Based Public-Private Partnerships**

115 The Mossavar-Rahmani Center for Business and Government at Harvard University provides
116 publicly available decision tools on technical risk, cost of capital, legislative and political
117 consideration at www.P3Guide.com.

118 **2.2. Resilient Households**

119 Individual households are the building blocks of the complex network that makes up a community.
120 The resilience of households directly impacts the resilience of a jurisdiction.

121 As Figure 1 shows, the needs of households drive the daily business operations of the community –
122 they require and consume food, water, pharmaceuticals, medical goods, power, fuel and other
123 services. Businesses, industries, community organizations and government agencies form an
124 interdependent network supporting the jurisdiction’s households. Deliberate partnership between
125 the private and public elements of that network can help keep households resilient – which in turn
126 increases the resilience of the jurisdiction.



127

128

Figure 1: The Need for Building Jurisdiction Resilience

129 Building P3s throughout the emergency management community facilitates life safety, economic
130 security and community resilience. A P3 can help to build a resilient jurisdiction for the families in a
131 jurisdiction.⁷



132 Resilience Based on Recovery: King County⁸

133 Over a two-year planning process, government and other leaders in King County, Washington,
134 followed a comprehensive strategy to develop a sub-state regional recovery plan. The Resilient
135 King County planning team adapted the RSFs to develop their five critical sectors for the
136 county. King County used recovery planning to improve resilience for future disasters and to
137 quickly restore the economy and social quality of life:

- 138 ▪ Lifeline Infrastructure: Utilities, Communication, Transportation
- 139 ▪ Building Stock: Housing, Commercial and Industrial, Public, Community Development
- 140 ▪ Banking, Retail and Wholesale, Real Estate and Construction, Manufacturing
- 141 ▪ Health and Social Services: Medical Care, Mental Health, Government Programs, Security
- 142 ▪ Natural and Cultural Resources: Historic Places, Ecosystems, Environmental Planning,
143 Food and Farming, Sense of Place

144 2.3. Outcomes of P3s

145 A P3 should promote and measure outcomes that clearly demonstrate mutual benefits and value to
146 its community. Many private and public sector organizations are well positioned to improve
147 outcomes that provide basic individual and family resilience needs, business viability and continuity
148 of operations. Some example outcomes include:

- 149 ▪ Shorter periods of disruption following a disaster;
- 150 ▪ Efficient delivery of lifesaving & life-sustaining services;
- 151 ▪ More resilient community lifelines, critical infrastructure and supply chains;
- 152 ▪ Stronger jurisdictional core capabilities;
- 153 ▪ Inclusion and equity in jurisdictional resilience and disaster response efforts;
- 154 ▪ Individual loss avoidance, such as lives, livelihoods, or property;
- 155 ▪ Economic loss avoidance, such as business sales, investment, or tax losses;
- 156 ▪ Improved community health and safety;

⁷ See Appendix F for sample qualitative and quantitative targets for building resilience.

⁸ See “Resilient King County” at https://www.kingcounty.gov/~media/safety/prepare/documents/SpecialEvents/CEOSummit_Resiliency/ResilientKCWhitePaper_Jan2014.ashx.

- 157 ▪ Lower jurisdiction insurance premiums and taxes; and
158 ▪ New opportunities to create economic activity.

159 The ability to tangibly and defensibly achieve these outcomes helps a P3 secure sustained buy-in
160 and leadership support.

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161 3. Private-Public Partnership (P3) Process

162 This section defines the process to develop and mature a P3 and provides guidance and tools to
 163 help implement the process.

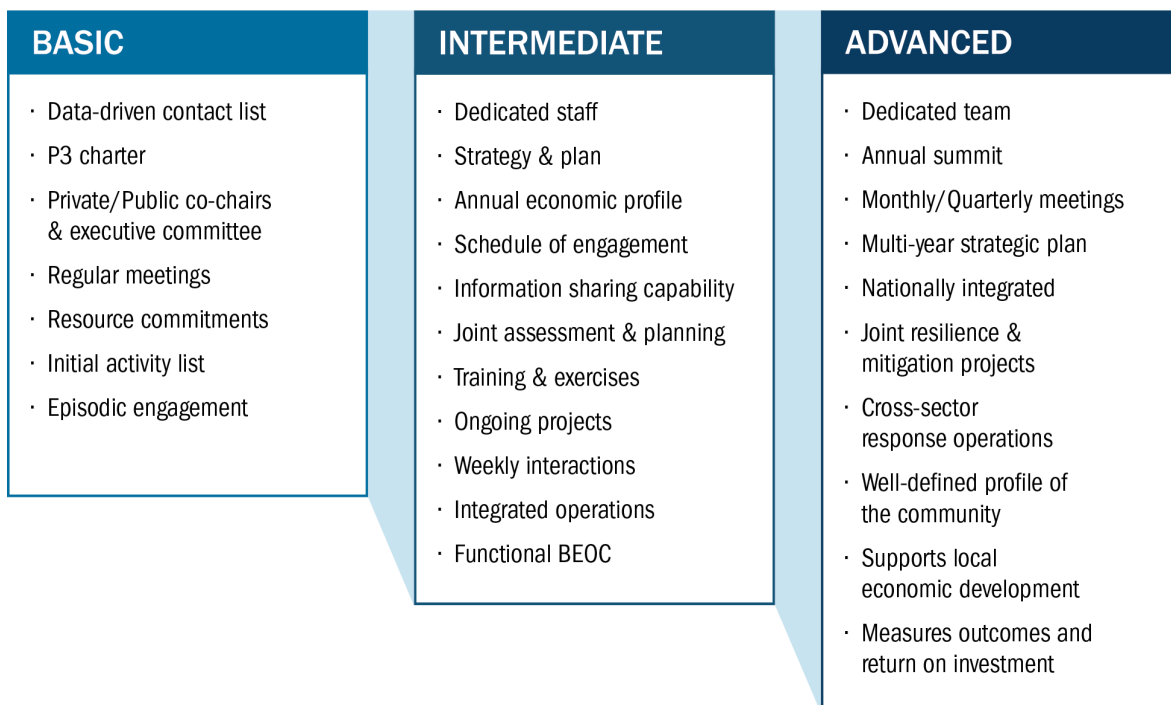
164 The organizers of a P3 shape the nature of the partnership:

- 165 ▪ Who is involved;
- 166 ▪ What the governance structure looks like;
- 167 ▪ Where the P3 is physically and/or virtually located;
- 168 ▪ When a P3 is convened; and
- 169 ▪ How the P3 will operate and perform key activities.

170 The activities of a P3 vary with its level of program maturity. Initially, basic-level P3s often specialize
 171 in convening cross-sector discussions and sharing information. More advanced-level P3s engage in
 172 additional activities, including:

- 173 ▪ Resilience-building efforts;
- 174 ▪ Economic development; and
- 175 ▪ Operational integration with local, state and national stakeholders before, during and after a
 176 disaster.

177 Figure 2 provides program maturity indicators to help P3 organizers plan and assess their
 178 partnership’s development.

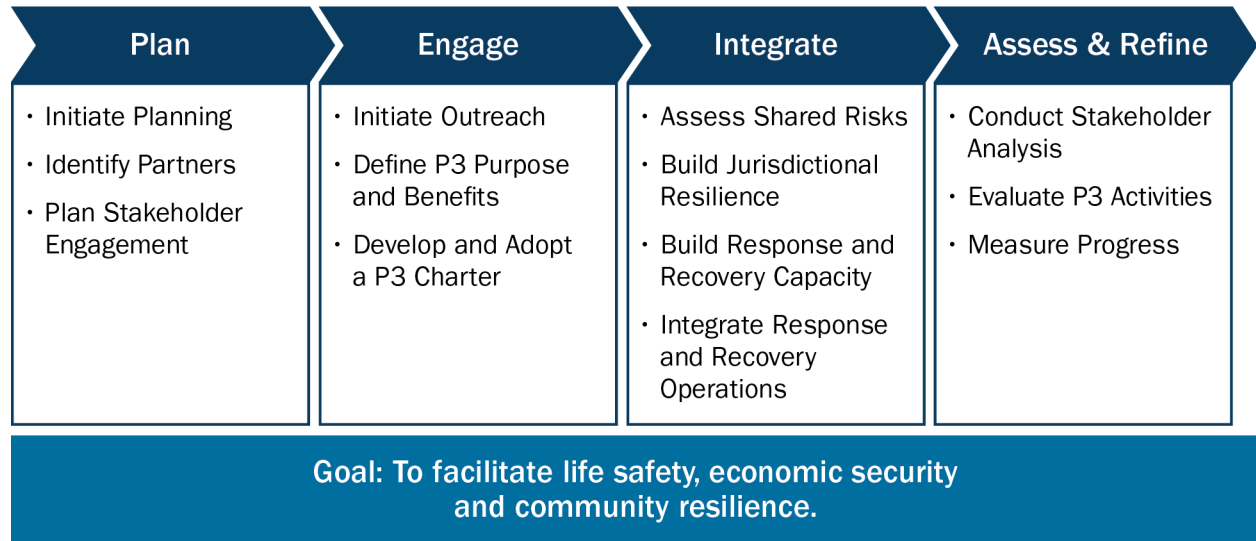


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Figure 2: Program Maturity Model

181 A P3’s development follows four phases, and each phase has typical activities to build or strengthen
 182 the partnership and its value to the jurisdiction (Figure 3). The following sections detail these typical
 183 activities and provide guidance and considerations for each.

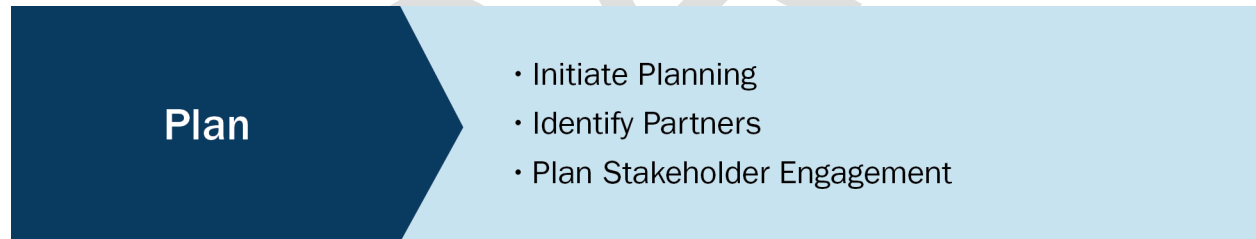


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Figure 3: The Four Phases of a P3

186 **3.1. Plan**



187

188

Figure 4: Plan Activities

189 **3.1.1 INITIATE PLANNING**

190 The optimal time to initiate the P3 process is during “blue-sky” periods prior to an event, as opposed
 191 to trying to establish relationships in the midst of a response.

192 Leadership, relationships and mission are the ingredients of a successful P3. A P3 requires visibility
 193 and joint commitment of leadership, including resource support, from multiple organizations. To
 194 obtain the required resources to sustain a P3 requires a defensible business case, value proposition
 195 and defined benefits. The P3’s organizers may develop these early on and refine them with the P3
 196 participants.

197 Organizers should determine whether a P3 is strategic, responsive or both. Some P3s focus on
 198 ongoing resilience-oriented activities, while others focus on urgent disaster-oriented operational

199 activities.⁹ The context for engagement may take many forms, including informal cooperation,
200 advisory boards, task forces, BEOCs and projects to mitigate and adapt infrastructure. Over time,
201 jurisdictions can build on existing partnerships and modify one type of a P3 to fulfill other functions.

202 Regardless of the nature of the partnership, planning is needed. To initiate P3 planning, organizers
203 should use a startup checklist and begin developing a business plan. A best practice is to identify an
204 initial committed core of participants and then jointly formalize the partnership.

205 ▪ **A startup checklist** helps identify and tailor the activities needed, depending on the specific
206 situation, and helps identify existing P3 elements to build on or provide a comprehensive path
207 forward. Appendix A has an example of a P3 startup checklist that provides planning,
208 engagement, integration and assessment guidance.

209 ▪ **A business plan** articulates the necessary administrative, legal, financial and organizational
210 elements to initiate a P3. Section 3.2.2 has some model language and considerations for P3
211 business plans.

212 3.1.2. IDENTIFY PARTNERS

213 A diverse membership maximizes the benefits shared by the participants and the community. P3
214 organizers should consider both traditional and nontraditional partners to ensure a diverse and
215 inclusive representation. Actual engagement of partners will be limited by the scope of the P3,
216 available resources and stakeholder interest.

217 To know which stakeholders to include, obtain a comprehensive list of potential partners. This
218 process could include building a jurisdictional economic profile to identify these key stakeholders.¹⁰
219 This approach solidly grounds partner identification in relevant data and helps include
220 representation from all the formal and informal business and industries in the community.

221 A jurisdiction's economic profile should list industries and businesses and may be segmented by
222 community lifeline, critical infrastructure, supply chain or other interest groups. The profile provides
223 essential situational awareness regarding who is in the community. Organizers of P3s should also
224 identify existing business alliances, affinity groups and organizational structures to develop and
225 maintain contact lists, facilitate outreach and inform initial activities and lines of effort.

⁹ Abou-bakr, Ami J. "Managing Disasters through Public-Private Partnerships." Georgetown University Press, Washington, DC. 2013.

¹⁰ See Appendix B for additional information on developing economic profiles.

226



Elements of a Social and Economic Profile of the Community

227

- Jurisdiction demographic information;

228

- List of top industries and businesses;

229

- List of natural, social, built and economic environment risks and vulnerabilities;

230

- List of businesses by community lifeline and/or critical infrastructure sector;

231

- Identification of community supply chain dependencies; and

232

- Stakeholder map and communication plan.

233

3.1.3. PLAN STAKEHOLDER ENGAGEMENT

234

Based on the economic profile, P3 organizers should establish an initial approach for stakeholder engagement and outreach to identify interested stakeholders. Organizers should create designated methods of communications, such as:

235

236

237

- A P3 coordination email (e.g., Your_P3@yourdomain);

238

- A web conference platform for use to facilitate meetings;

239

- Information exchange platform(s) that all partners can use to share and store information^{11, 12}; and

240

241

- Email distribution lists based on the jurisdictional profile information, with points of contact.

242

3.2. Engage

Engage

- Initiate Outreach
- Define P3 Purpose and Benefits
- Develop and Adopt a P3 Charter

243

244

Figure 5: Engage Activities

¹¹ Examples of common information exchange platforms include Microsoft Teams, WebEOC, Adobe Connect, Slack, Zoom, ArcGIS, HSIN and MAX.gov (interagency).

¹² This document contains references to non-federal resources. Linking to such sources does not constitute an endorsement by FEMA, the Department of Homeland Security or any of its employees.

245 **3.2.1 INITIATE OUTREACH**

246 When P3 organizers have completed the tasks identified in the Plan section, initial outreach should
247 focus on building relationships and establishing partnerships. Leverage existing business alliances,
248 affinity groups and organizational structures, as well as issuing a broad and inclusive invitation to
249 participate to those identified in the economic profile.



250 **Potential Outreach Focal Points**

- 251 ▪ Local businesses (large and small) and industry representatives;
- 252 ▪ Owners and operators of community lifelines, critical infrastructure and supply chains;
- 253 ▪ Local economic development districts;
- 254 ▪ Jurisdictional government representatives;
- 255 ▪ Chambers of commerce and business councils;
- 256 ▪ Industry and trade associations;
- 257 ▪ Nonprofit volunteer and civic organizations;
- 258 ▪ Jurisdictional emergency responders;¹³
- 259 ▪ Local emergency planning committees (LEPCs);
- 260 ▪ Schools and universities; and
- 261 ▪ Local media.

262 This initial outreach identifies interested and willing participants, who often become the core group
263 to foster a resilience-oriented and/or disaster-oriented P3. The initial group should discuss shared
264 risk, purpose and potential benefits of collaboration.¹⁴ Stakeholder discussions will inform the type
265 of partnership and level of formality needed.

266 Organizers of a P3 should define the format of initial stakeholder meetings based on the purpose,
267 goals and objectives of each meeting. For example, meetings can focus on topical discussions (such
268 as briefings from VIPs, briefing on the community risk profile) or strategic and administrative
269 discussions about the mechanics of the partnership (such as defining the purpose and objectives).

270 Regardless of the formality of the partnership, P3 organizers should consider the activities detailed
271 in the following subsections as they define their purpose, benefits and structure.

¹³ See https://www.fema.gov/sites/default/files/2020-07/fema_nims_doctrine-2017.pdf for more information.

¹⁴ Abou-bakr. 2013.

272 3.2.2. DEFINE P3 PURPOSE AND BENEFITS

273 Defining the purpose and benefits of a P3 is an iterative process. It begins in the planning phase but
274 requires broader engagement and stakeholder participation to make it final. To jointly define the
275 purpose and benefits, P3 organizers should work with the group of initial stakeholders to ensure
276 buy-in and optimize the potential for sustained involvement.

- 277 ▪ A **business case** articulates the reasoning to initiate a P3;
- 278 ▪ The **value proposition** convinces participants why the P3 effort is worthwhile; and
- 279 ▪ The **benefits** and **member opportunities** describe the advantages gained by participating in a P3.

280 “No jurisdiction or Federal agency has all the staff and resources it will need to respond to a
281 catastrophic incident. As a Nation, closer partnerships with the private sector are crucial in
282 providing commodities and support to survivors.”

283 *FEMA After-Action Report, 2017 Hurricane Season*

284 A P3 concept needs the support of the participating organizations’ leaders to sustain the
285 partnership. Developing a P3 needs to be a priority for each organization. The business case is an
286 instrument to obtain this mutual support. The following model language provides a sample business
287 case, value proposition, benefits and member opportunities.

288 **Business Case**

- 289 • **The Challenge:** No jurisdiction or industry by itself has the staff and resources needed to
290 build resilience or respond to a catastrophic incident.
- 291 • **The Need:** To coordinate interests and resources of private and public sector before,
292 during and after disasters.
- 293 • **The Solution:** A repeatable engagement process and tools that systematically yields
294 resilience dividends for private industry, states, localities, tribes and territories.

295 **Value Proposition**

- 296 • **Strategic Coordination:** Using social and economic profile data to understand the
297 business and industry footprint in a community enables outreach and coordination
298 between local, regional, national and global stakeholders.
- 299 • **Community Resilience:** A P3 fosters a sense of shared risk to help local economies build
300 more resiliently, respond more precisely and recover more quickly and efficiently.
- 301 • **Maximize Benefits:** An effective P3 will facilitate trust, information sharing and
302 cooperation that may reduce economic activity losses and positively influence public
303 and private investments toward resilience and mitigation.

304 **Benefits of P3s**

- 305 • Effective public and private resource management
- 306 • Higher-quality and timely services by the private and public sectors
- 307 • Reduced complexity and increased returns on investment from that of inherently
- 308 governmental solutions
- 309 • Trusted communications channels to industries, employees and their families
- 310 • Better and more realistic planning, training and exercises through joint risk
- 311 assessments
- 312 • Creative private-sector financing options for permanent reconstruction
- 313 • Lower cost of response and potentially lower taxes due to increased mitigation and
- 314 resilience
- 315 **Opportunities for P3 Members:**
- 316 • Communicate and exchange information more freely in a trusted environment
- 317 • Interact with cross-sector stakeholders to solve complex problems
- 318 • Participate in official disaster response and recovery operations in a structured way
- 319 that ensures normal business operations resume as quickly as possible

320 3.2.3. DEVELOP AND ADOPT A P3 CHARTER

321 The cornerstone of a sustainable P3 is a charter that formalizes the terms of engagement,
322 transitions the individual relationships and informal cooperation to an institutional partnership and
323 defines the legal foundation and governance structure.

324 A P3 exists in the context of relationships, and many P3s have experienced initial success because a
325 dynamic individual coordinated the initial engagement but failed when that leader moved on.¹⁵ A
326 charter mitigates that risk converting relationship into formal partnerships.

327 Consider the following core elements in developing a charter:¹⁶

328 **Mission and Scope**

329 Clearly articulate the mission and scope of the P3. This should include the purpose for the existence
330 of the P3 and its approach to achieve the mission.

¹⁵ Abou-bakr. 2013.

¹⁶ Appendix C provides a basic P3 charter template.

331 **Purpose, Goals and Benefits**

332 Clearly articulate the purpose, goals and benefits, as described in Section 3.2.2. Define the goals of
333 the partnership in specific and measurable terms.

334 **Key Stakeholders**

335 Define an executive committee comprised of government leaders, emergency responders, private
336 sector managers, owners and influential leaders. The executive committee should be co-chaired by
337 at least one private and one public sector representative. The executive committee has ultimate
338 responsibility for directing the activities of the P3, ensuring it is well run and able to achieve desired
339 outcomes. This can increase the longevity of a P3.

340 The charter should also include initial list and description of members, participants and sub-groups
341 focused on a particular task.

342 **Formal Membership Agreement**

343 The charter should clearly define membership, including roles, responsibilities and benefits. In
344 addition, once a charter has been adopted and signed, consider developing a formal membership
345 agreement that defines the terms of engagement.¹⁷ Each new member organization should sign the
346 membership agreement to acknowledge the terms of engagement.

347 Members will have certain access, privileges and benefits on a steady-state basis, as defined by the
348 Executive Committee. Some stakeholder organizations interested in participating in the P3 may not
349 elect to become members but may collaborate on an episodic or one-off basis. As relationships
350 evolve and mature, P3s should aim to formalize partnerships required for both steady-state and
351 episodic engagement to ensure sustainability.

352 **Financial Considerations**

353 P3 organizers should determine what forms of capital are required to establish and maintain the P3.
354 The P3 leadership should collaborate with financial advisors who can help develop a sustainment
355 plan that leverages government grant programs and private industry contributions to fund P3
356 activities. Financial capital may include, but is not limited to, operational funding streams; grants
357 from federal, state or philanthropic organizations; private investment; and catastrophic bonds.

358 Larger, complex P3s may want to pursue funding for a dedicated P3 program coordinator.¹⁸

¹⁷ See Appendix D for a sample membership agreement.

¹⁸ See Appendix E for a sample P3 program coordinator position description.

359 **Legal and Ethical Considerations**

360 Participants should obtain legal and ethical guidance and rules of engagement around key activities,
361 including but not limited to:

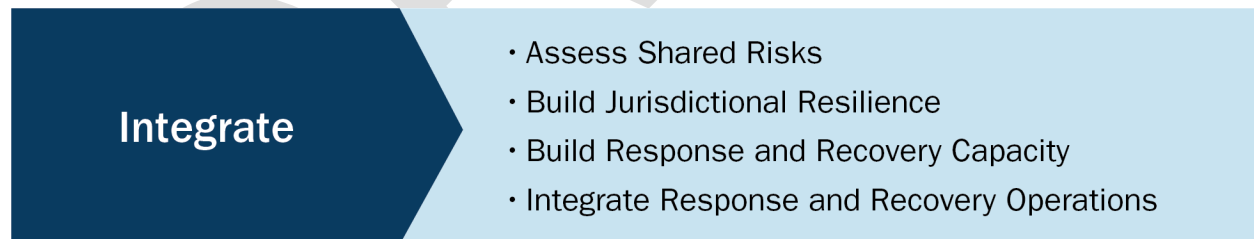
- 362 ▪ Decision making authorities;
- 363 ▪ Information sharing;
- 364 ▪ Resource offers and requests;
- 365 ▪ Antitrust compliance (covering activities with competitors); and
- 366 ▪ Procurement conflicts of interest.



367 **Case Study: Chicago’s Public-Private Task Force Charter**

368 The City of Chicago, Illinois, developed a Public-Private Task Force (CPPTF) Charter that
369 includes a defined mission, scope, membership, participant list, chairperson and member
370 responsibilities and a signatory page. The CPPTF meets monthly, operates under the
371 leadership of two co-chairs (one private, one public) and has clearly defined benefits, including
372 targeted communications, networking opportunities, tangible projects and cross-sector efforts.
373 Cross-sector engagement opportunities include a Business Recovery Access Program (BRAP),¹⁹
374 a central business district evacuation/shelter planning effort, joint cross-sector drills and
375 exercises and coordination of large-scale special events.

376 **3.3. Integrate**



377

378

Figure 6: Integrate Activities

379 **3.3.1 ASSESS SHARED RISKS**

380 A P3 should develop common resilience and disaster operations objectives based on an assessment
381 of shared disaster risk exposure. Jurisdictions should leverage existing tools and resources, including
382 but not limited to the Resilience Assessment Planning Tool (RAPT).²⁰ The assessment should

¹⁹ BRAP is overseen by the Chicago Office of Emergency Management and facilitates private sector access to disaster sites via a citywide credentialing system that links critical personnel to their facilities and worksites.

²⁰ RAPT is accessible at <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>.

383 consider five environments (natural, social, built, economic and cyber) and consider different types
384 and kinds of disruptions.



Environmental Risk & Vulnerability Assessments: Questions to Consider

386 Understanding shared risk and vulnerability drives cooperation.

387 Have you considered the following risks and vulnerabilities when discussing threat and hazard
388 identification?

- 389 ▪ **Natural** – hazards, intensity, probability, vulnerability, location, terrain
- 390 ▪ **Social** – demographics, population vulnerability, community health, movement of people
- 391 ▪ **Built** – residential, commercial, government and critical infrastructure
- 392 ▪ **Economic** – business and industry profile, supply chains, consumer demand, business
393 operations status
- 394 ▪ **Cyber** – infrastructure, policies, information security

395 Have you analyzed risks and vulnerabilities applicable to your jurisdiction through the lens of
396 community lifelines, critical infrastructure, industry or market segment?

397 The insights obtained during the assessment process inform various preparedness activities,
398 including developing or updating plans, community resilience strategies, mitigation projects,
399 operational training and exercises. When possible, P3 stakeholders should coordinate their
400 individual organizational and business continuity plans and participate in community, state or
401 regional assessment and planning processes. The P3 organizers should ask government points of
402 contact in their jurisdiction to facilitate private sector participation in existing assessment processes,
403 as applicable.

404 3.3.2. BUILD JURISDICTIONAL RESILIENCE

405 Resilience includes the ability to withstand and recover rapidly from deliberate attacks,
406 accidents, natural disasters, as well as unconventional stresses, shocks, and threats to our
407 economy and democratic system.

408 *2017 U.S. National Security Strategy*

409 Jurisdictions are required to develop and maintain numerous plans, ranging from economic
410 development to emergency response. A P3 can facilitate integrated joint planning for building
411 resilience through its members' active participation in developing or updating jurisdictional plans.
412 A resilience-focused P3:

- 413 ▪ Helps develop or leverage the jurisdiction’s existing resilience strategy²¹ and action plan using a
414 whole community approach.
- 415 ▪ Provides an excellent convening mechanism to facilitate dialogue and represent jurisdictional
416 interests in a broader resilience strategy and planning context. This should include specific
417 jurisdiction goals informed by different perspectives, such as business and industry risk;
418 community lifeline dependencies; political directives; economic forecasts; economic
419 development strategies; and local budgets.
- 420 ▪ Helps establish or validate jurisdictional resiliency targets.



Case Study: Resilient Nashua Initiative

422 In 2017 the Nashua LEPC, through a revised extension of its charter, took on a new
423 responsibility to lead the Resilient Nashua Initiative in Nashua, New Hampshire.²² The Resilient
424 Nashua Initiative conducted the five-year update to the hazard mitigation plan for the city while
425 also incorporating pre-disaster recovery planning and adaptation strategies.

426 Through this process, businesses and other organizations identified the priority restoration
427 targets (important social institutions and businesses) and their desired times to restoration
428 after a disaster. This input was used to develop mitigation strategies to protect these
429 businesses and services from natural and human-caused hazards. Over a series of 10
430 meetings throughout 2018, businesses participated in emergency planning efforts and
431 contributed to the city’s recovery plans. Most importantly, the prioritized business and
432 infrastructure lists informed utility providers participating in the Initiative through a
433 consensus-based approach. The result was an updated hazard mitigation plan for Nashua and
434 the formation of new partnerships between the city and local businesses.

435 The following subsections discuss ways in which P3s can build jurisdictional resilience.

436 **Community Lifelines, Supply Chain and Economic Resilience**

437 Community lifelines provide the essential services and economic activity that all communities rely on
438 to maintain their health and well-being, including access to jobs and livelihoods. Strong and resilient
439 community lifelines are a critical link between disaster response efforts and community recovery

²¹ See the NIST Community Resilience Planning Guide for Buildings and Infrastructure Systems for additional guidance at <https://www.nist.gov/topics/community-resilience/planning-guide>.

²² For more information on the Resilient Nashua Initiative, see <https://www.livablenashua.org/category/resilient-nashua-initiative>.

440 activities.²³ However, resilient community lifelines and their associated supply chains depend on
441 public and private sector cooperation, along with effective use of P3s.

442 The private sector owns and operates most of the nation's critical infrastructure and supply chains
443 that enable life safety and economic security.²⁴ A P3 can build resilience by developing accessibility
444 standards and stabilization targets for its jurisdiction and contributing to efforts that keep community
445 lifelines and supply chains operational. Substantial investment in community lifeline and supply
446 chain resilience will save a jurisdiction significant social and economic disruption following a
447 disaster.

448 **Connecting Emergency Management and Economic Development**

449 A P3 provides an excellent opportunity to harmonize the interests of emergency management and
450 local economic development. This alignment occurs naturally through the activities involved in
451 establishing the P3: building on or establishing partnership(s), obtaining an economic and social
452 profile of the jurisdiction, aligning organizational strategies toward jurisdictional resilience priorities,
453 prioritizing investments for shared outcomes and measuring progress.

454 For example, FEMA's Building Resilient Infrastructure and Communities (BRIC) program provides a
455 strategic opportunity for government and industry to collaborate.²⁵ Local governments identify
456 targets for community mitigation in partnership with the private sector and engage the private sector
457 in mitigation, adaptation and resilience projects to strengthen critical infrastructure, community
458 lifelines and other important venues and supply chains. Local mitigation planning committees
459 provide another venue for private and public sector organizations to discuss natural hazard
460 mitigation plans, local risks and mitigation projects.

461 Case Study: Missouri Partnerships

462 In Missouri, unprecedented partnership took place between emergency managers and the
463 economic development districts and local leaders in 83 of 114 counties that received a Major
464 Disaster Declaration (DR-4451) in 2019 (Figure 7). Together, P3 partners assessed the
465 economic impacts of major flooding to the local economy, infrastructure and workforce.²⁶

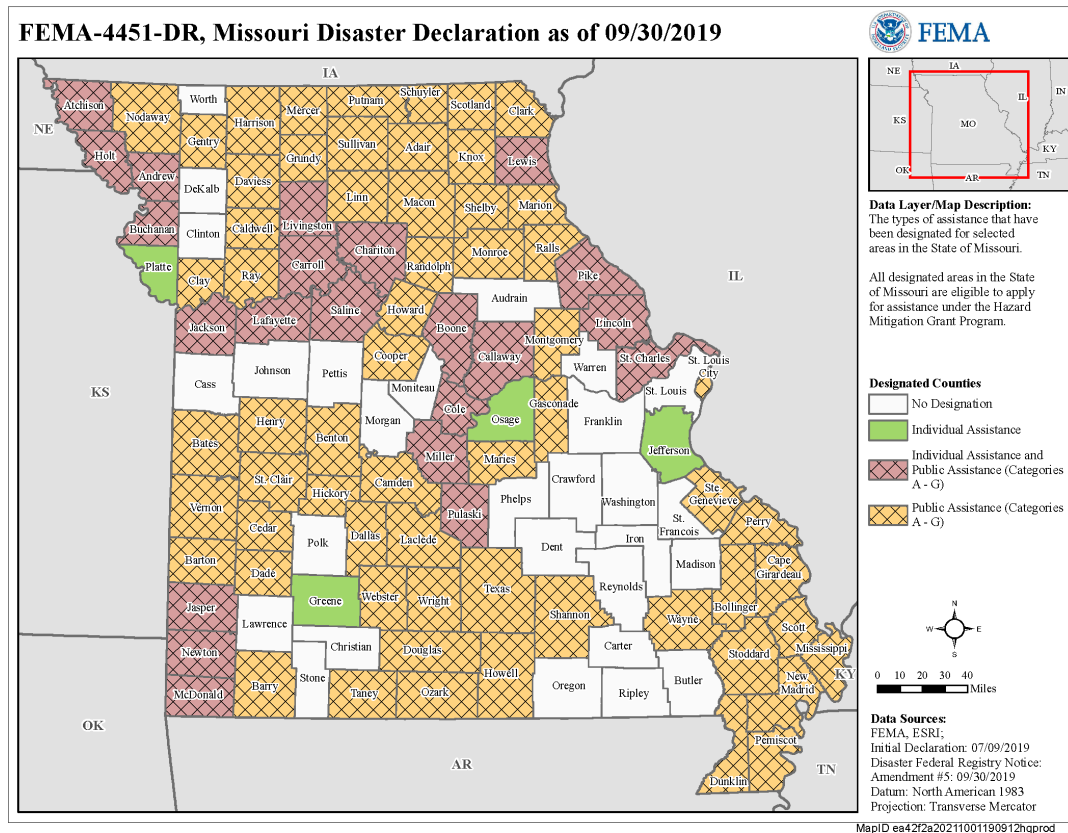
²³ See the Community Lifelines Implementation Toolkit 2.0 for additional guidance at <https://www.fema.gov/sites/default/files/2020-05/CommunityLifelinesToolkit2.0v2.pdf>.

²⁴ See the Supply Chain Resilience Guide for additional guidance at <https://www.fema.gov/sites/default/files/2020-07/supply-chain-resilience-guide.pdf>.

²⁵ For more information on the BRIC program, see <https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities>.

²⁶ For more information, see <https://www.eda.gov/success-stories/disaster/stories/mo-businesses.htm>.

466 This effort included significant support and leadership from the Missouri Department of
 467 Economic Development and a newly established Economic RSF. The partnership facilitated the
 468 resumption of business activity and creation of new economic activity.



469
 470 **Figure 7: Counties in the Missouri Disaster Declaration of 2019²⁷**

471 Jurisdictions can maximize post-disaster resilience investments through pre-disaster efforts such as
 472 engaging executive leadership and aligning external sources of investment (public assistance,
 473 community development block grants and other local economic development incentives) with
 474 recovery outcomes that increase resilience. Existing plans, such as a master plan,²⁸ comprehensive
 475 economic development strategy, hazard mitigation plan or a pre-disaster recovery plan, should
 476 inform priorities to avoid any unintended negative consequences, such as exacerbating inequities
 477 that previously existed.

478 By building resilience prior to a disaster, jurisdictions increase the stability and security of their
 479 economies. Through investing in resilience, jurisdictions can become more attractive and marketable

²⁷ Source: https://gis.fema.gov/maps/dec_4451.pdf.

²⁸ Some jurisdictions refer to a master plan as a comprehensive plan or a general plan.

480 for economic investment and development than more vulnerable jurisdictions.²⁹ For example, private
481 real-estate investors are increasingly making decisions based upon economic, geopolitical and
482 environmental resilience factors.³⁰ The insurance industry values resilience as potential cost
483 avoidance. Investments in building resilience have the potential to reduce both potential payouts
484 and recovery time.³¹ By investing in P3 projects that are economical and meet resilience goals,
485 jurisdictions can integrate risk management, disaster management and community development
486 planning efforts.

487 **Strengthen Jurisdictional Resilience Capacities and Capabilities**

488 A P3 is more than the sum of its parts. Working together, jurisdictions increase collective capacity
489 and capabilities³² and, in doing so, become more resilient, especially in the context of pre-disaster
490 mitigation. Before a disaster is the best time to implement resilience strategies and action plans.
491 Through integrating mitigation and pre-disaster planning for response and recovery, a jurisdiction
492 can reduce vulnerabilities and increase resilience.³³

493 ***Managing Risk through Mitigation Indicators***

494 Efforts taken by a P3 that improve the collective ability and capacity to manage risk and disasters
495 will realize a resilience dividend.³⁴ According to the National Institute of Building Sciences 2019
496 Mitigation Saves Report, for every federal grant dollar spent in upfront mitigation costs, the public
497 will save six dollars.³⁵

²⁹ Rodin, J. “The Resilience Dividend: Being Strong in a World Where Things Go Wrong.” Public Affairs, New York. 2014.

³⁰ World Economic Forum. “Cities must show ‘economic resilience’ to attract investment in real estate.” January 2020.
<https://www.weforum.org/agenda/2020/01/still-building-top-30-markets-for-real-estate/>.

³¹ See “The Role of Insurance in Promoting Resilience” at <http://www.brinknews.com/the-role-of-insurance-in-promoting-resilience/>.

³² Core capability development sheets are available at <https://www.fema.gov/emergency-managers/national-preparedness/mission-core-capabilities/development-sheets>.

³³ FEMA’s Pre-Disaster Recovery Planning Guides provide useful resources for this activity; see <https://www.fema.gov/emergency-managers/national-preparedness/plan#pre-disaster>.

³⁴ Rodin. 2014.

³⁵ National Institute of Building Sciences. “Natural Hazard Mitigation Saves: 2019 Report.”
<https://www.nibs.org/page/mitigationsaves>.



Considering Community Health

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Resilient jurisdictions develop resources to mitigate health risks and protect the community during disasters.³⁶ Community health is foundational to a jurisdiction’s resilience, and individuals and family healthy lifestyles are key to the overall resilience of a jurisdiction.

502

503

504

A P3 should seek to prevent or mitigate stressors on individual and community health caused by a disaster by strengthening social networks and connections, improving social cohesion and fostering an environment of diversity and inclusion in the community it serves.

505

Plan for and measure jurisdictional resilience by:

506

507

- Developing mitigation core capabilities³⁷ such as long-term vulnerability reduction, risk and disaster resilience assessment or threats and hazards identification;

508

- Using a list of jurisdiction mitigation priorities and progress indicators;

509

510

511

- Prioritizing core capabilities that require private sector involvement (for example, this may include Supply Chain Integrity and Security, Cybersecurity, Mass Care Services, Housing, and Economic Recovery);

512

- Considering the RAPT³⁸ as a starting point (Section 3.3.1); and

513

514

- Requesting support from the National Council of Information Sharing and Analysis Center (ISACs), which helps jurisdictions reduce cyber risks and build resilience.

515

Input from P3s helps jurisdictions tailor targets to specific situations and community needs.

³⁶ Centers for Disease Control and Prevention, State and Local Readiness. “Public Health Emergency Preparedness (PHEP) Cooperative Agreement.” <https://www.cdc.gov/cpr/readiness/phep.htm>.

³⁷ For more information, see https://www.fema.gov/media-library-data/1575301594612-07bf5dcfaef6482c8597643cc967d44d/CCDS_Mitigation_508.pdf.

³⁸ Information on the RAPT is available at <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>.

516 ***Establishing Measurable Targets***³⁹

517 Managing risk and disasters is only effective if clear and measurable objectives, outcomes and
518 resilience targets are in place (see Appendix F). These targets inform pre-disaster mitigation as well
519 as response and recovery coordination during and beyond a disaster.

520 ***Develop Jurisdiction Resilience Targets***

521 ▪ **Step 1 – Leverage a Jurisdictional Profile** – Develop a social and economic profile to understand
522 who needs to be considered and represented; which community lifelines and supply chains are
523 locally vs. externally sourced; and the overall risk and hazard vulnerability of the community.

524 ▪ **Step 2 – Identify Mitigation Targets** – Define mitigation strategy, metrics and projects that will
525 substantially reduce risk to the natural, social, economic, built and cyber environments in the
526 jurisdiction.

527 ▪ **Step 3 – Identify Operational Targets** – Define critical path operational priorities and core
528 capabilities following a disaster and define quantitative and qualitative stabilization targets for
529 community lifelines, supply chains and the economy.

530 ▪ **Step 4 – Obtain Appropriate Approval** – Develop a concise presentation that includes the
531 jurisdictional profile and mitigation and operational stabilization targets and then secure
532 approval and funding using local, state, federal or private resources.

533 **3.3.3. BUILD RESPONSE AND RECOVERY CAPACITY**

534 Strategic use of P3s can facilitate joint integrated planning with private sector stakeholders,
535 especially those responsible for critical essential services or community lifelines, to enable
536 successful response and recovery activities. In many cases, joint planning may involve developing an
537 emergency operations plan (EOP) annex to integrate elements of the private or public sector, as
538 appropriate. Successfully implementing the EOP is more likely if it integrates the jurisdiction's
539 continuity plans and considers the P3 members' business continuity plans.

540 Jurisdictions should integrate their preparedness goals and resilience targets when developing
541 response and pre-disaster recovery plans or post-disaster recovery strategies. A P3 offers an ideal
542 forum to recognize interdependencies among potential impacts; identify and resolve potential
543 conflicts; and develop or validate planning assumptions.

544 In addition to focusing on steady-state resilience building activities, a P3 can also help the
545 jurisdiction build capacity to respond to and recover from disasters. These P3s should participate in

³⁹ For additional guidance, see the FEMA Incident Stabilization Guide (November 2019 Operational Draft) at <https://www.fema.gov/media-library-data/1576779438545-484372199671c0822a53a7ee9f4ffc2b/IncidentStabilizationGuide.pdf>.

546 preparatory activities for response and recovery, such as planning, training and exercises, providing
547 vital private sector inputs to emergency and disaster response and recovery plans.

548 **Establishing a BEOC**

549 During disaster response, states may activate a BEOC to serve as a physical and virtual
550 communications and operational hub for business and emergency partners.⁴⁰ A BEOC provides a
551 jurisdiction and P3 participants with an operational framework for response and recovery
552 coordination and engagement. Some P3s at higher levels of maturity may work with their
553 jurisdictions to integrate the private sector into government emergency operations centers (EOCs) or
554 establish a virtual or physical BEOC that facilitates information sharing, coordination and
555 collaboration.⁴¹

556 A BEOC offers a consistent integration point for private and public partners to coordinate response
557 and recovery operations. BEOC processes and information technologies support shared operational
558 outcomes for mitigation, response and recovery actions and facilitate remote coordination and
559 assistance; information sharing and data analysis; community lifeline, supply chain and market
560 stabilization; community health mitigation; economic response coordination; joint planning; and
561 economic and community recovery.

562 A P3 that decides to establish a BEOC should consider the following activities.

- 563 ▪ Determine the leadership of the BEOC – public sector, private sector, consortium, or a
564 hybrid;
- 565 ▪ Develop the mission, goals and objectives;
- 566 ▪ Develop a concept of operations;
- 567 ▪ Develop standard operating procedures and guidance;
- 568 ▪ Identify the information technologies used to convene, manage and share information;
- 569 ▪ Plan to provide access, credentials, security, equipment, systems and hardware as needed;
570 and
- 571 ▪ Plan to establish working groups and task forces to address issues and tasks.

⁴⁰ See “BEOC Quick Start Guidance for COVID-19 Response and Recovery” at <https://www.fema.gov/sites/default/files/2020-07/beoc-fact-sheet.pdf>.

⁴¹ During large-scale emergencies requiring the activation of the National Response Coordination Center (NRCC), FEMA’s Office of Business, Industry and Infrastructure Integration (OB3I) activates the National BEOC (NBEOC) in direct support of the incident. For additional information on NBEOC operations, email nbeoc@max.gov for a copy of FEMA’s “Business, Industry, and Infrastructure Guide.”

572 In addition, establishing a physical BEOC requires the P3 to:
573 ■ Identify a facility, such as a university, EOC, continuity center, corporate venue, or hybrid; and
574 ■ Develop staffing and seating charts and shift schedules.
575 Elements in the Build Response and Recovery Capacity section of Appendix A provide additional
576 detail.

577 **Joint Training and Exercises**

578 Once a joint plan has been established, P3 participants should help socialize, test and refine that
579 plan by engaging in joint training and exercises. These activities can include virtual and in-person
580 training and exercises for all hazard types, including natural disasters (such as fires, floods,
581 hurricanes and earthquakes), public health emergencies (such as epidemics or a pandemic) or
582 terrorist attacks.

583 Existing training and exercise opportunities hosted by members of the community offer opportunities
584 to develop, test and refine P3 operations. Joint training and exercises should be comprehensive yet
585 succinct to ensure maximum participation from private sector participants, especially those with
586 resource constraints.⁴² Training and exercises should also test and evaluate common operational
587 processes and information technologies that support shared operational outcomes for response and
588 recovery actions.

589 Higher-maturity level P3s should identify instructional and operational training needs, requirements
590 and objectives. Using this information, P3s can establish a training cycle, schedule and content
591 delivery strategy. For each virtual or in-person joint training event, P3s should seek to develop
592 training instructor and participant materials, including evaluation materials that can be used to
593 review progress.

594 A P3 should also seek to conduct and/or participate in existing virtual and in-person exercises and
595 incident-specific simulations. The P3 exercise approach should also include a plan for the exercise
596 cycle, schedule and delivery strategy. Exercises may include tabletop, functional and/or full-scale
597 exercises. Each exercise should include development of materials for facilitators, evaluators,
598 participants and observers. During and after each exercise is conducted, evaluation should
599 commence and P3s should formally seek to develop and share after-action reports and improvement
600 plans to participants and stakeholders. These efforts make the P3 ready to respond to real-world
601 operations and provide it with knowledge about limiting factors, gaps and shortcomings in advance
602 of an incident.

⁴² The FEMA Preparedness Toolkit, Exercise Starter Kit and Cyber Ready Community Game are available at <https://www.fema.gov/emergency-managers/national-preparedness/exercises/tools>.

603 **3.3.4. INTEGRATE RESPONSE AND RECOVERY OPERATIONS**

604 A P3 functions best with a clear understanding of its jurisdiction's levels of activation, common
605 operational activities, cross-sector collaboration and information sharing and analysis requirements.

606 **Activation Basics for Industry and Government**

607 For each level of activation (normal operations, partial activation, full activation) P3s are best served
608 by developing a defined battle rhythm that includes a schedule and template for meetings, reports
609 and operational meetings. For example, in normal operations, meetings may occur once per week,
610 while in full activation, meetings may be necessary once or more daily. Plan and develop templates
611 during blue-sky operations for incident-specific daily briefings, impact summaries, assessments,
612 analyses and forecasts. Additionally, develop meeting agendas in advance for an all-hands BEOC
613 meeting or community lifeline and supply chain stabilization task force, and adjust them as needed.
614 Each meeting should have a clear purpose and shared outcomes and result in determining unified
615 courses of action.

616 **Common Operational Activities**

617 During an activation, P3s may use a BEOC to help facilitate joint operations and identify, triage and
618 develop solutions for the most significant challenges shared by private and public partners. When
619 the operational status of an incident is established, industry and cross-sector operations can
620 effectively work to identify and remove barriers to response; commit and move appropriate
621 resources to restore communities; and measure progress and effectiveness to drive continual
622 improvement.

623  **Common Operational Activities**

- 624 ▪ Share risk information with industry and the public;
- 625 ▪ Assess operational status of community lifelines, critical infrastructure and supply chains;
- 626 ▪ Analyze data and forecast/assess essential elements of information (EEl)s⁴³;
- 627 ▪ Conduct cross-sector coordination and mutual assistance;
- 628 ▪ Address resource needs through analysis, requests and acquisition;
- 629 ▪ Request waivers to enable critical supply chains;
- 630 ▪ Facilitate access for business reentry and repopulation;
- 631 ▪ Conduct joint planning for recovery with community stakeholders; and

⁴³ EEl)s include information needed to support informed decision making and provide context and contribute to analysis. They are required to plan and execute an operation and support timely, logical decisions.

- 632 ■ Hold in-progress and after-action reviews.

633 When a disaster is anticipated or has occurred, a P3 will begin to coordinate based on location,
634 industry or cross-sector operational needs. When disaster operations begin, jurisdictions and P3s
635 should share official communications and organized situational briefings with stakeholders and the
636 public via email, coordination calls or other designated information technologies.

637 A P3 may also invite partners to provide situation reports, risk assessments or data analysis and
638 participate in resource coordination. This includes forecasting impacts to areas of concern,
639 conducting damage assessments and prioritizing response activities, such as prioritizing essential
640 worker access.

641 Based on the information shared, jurisdictions and P3s need to identify priorities, tasks and
642 outcomes. Each operational task should have clear targets for stabilization, restoration or
643 sustainment of community lifelines and critical infrastructure, so that outcomes can be measured
644 and tracked.⁴⁴ Targets should drive disaster outcomes as detailed in the Establishing Measurable
645 Targets section and the sample qualitative and quantitative example targets in Appendix F. Input
646 from the P3 helps jurisdictions tailor targets to their specific situations and community needs.

647 **Cross-Sector Collaboration**

648 A key enabler of integrated operations is effective use of standing working groups or formation of
649 ad hoc task forces to assess sector-specific and cross-sector challenges as the situation unfolds;
650 identify potential cascading impacts to business and critical infrastructure; and conduct root-cause
651 analysis to inform restoration and stabilization efforts. These analyses should be informed by real-
652 time information collected within each industry, and the results shared with P3 partners.

653 For example, understanding whether a power outage will be of long duration is critical, because this
654 will have a cascading impact on water and wastewater systems, which typically only have emergency
655 backup power for 72 hours. Additionally, loss of access to power presents a substantial health
656 threat, particularly to vulnerable populations, hospitals and shelters. Cross-sector coordination is
657 needed to identify options to mitigate or suppress the peak damages that can overwhelm community
658 lifelines.



659 **Regional Information and Assistance Resources**

660 The following example resources can help P3s with coordination, information sharing and
661 analysis challenges:

⁴⁴ The FEMA Incident Stabilization Guide (November 2019 Operational Draft) is available at <https://www.fema.gov/media-library-data/1576779438545-484372199671c0822a53a7ee9f4ffc2b/IncidentStabilizationGuide.pdf>.

- 662 ▪ FEMA regional private sector liaisons⁴⁵;
- 663 ▪ Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency
- 664 (CISA) protective security advisors⁴⁶;
- 665 ▪ Economic Development Administration (EDA) regional offices⁴⁷;
- 666 ▪ Department of Agriculture regional offices⁴⁸;
- 667 ▪ Department of Health and Human Services⁴⁹;
- 668 ▪ Centers for Disease Control and Prevention (CDC) regional offices⁵⁰;
- 669 ▪ Information Sharing and Analysis Centers (ISACs)⁵¹; and
- 670 ▪ Fusion centers.⁵²

671 **Information & Analysis Requirements**

672 Building on a foundation of planning and engagement, information sharing and analysis enables
673 effective operational integration and cross-sector response operations. For each integrated disaster
674 operation, P3s should define operational information requirements, which can be incorporated into
675 plans to inform the use of existing information technologies and situation report templates.



676 **Case Study: Intergovernmental Coordination**

677 To meet the urgent need to share information and interact with more small local businesses in
678 Nashua, New Hampshire, the Office of Emergency Management (OEM) and the Office of
679 Economic Development (OED) established a partnership. The OEM now uses the same
680 business distribution lists for interacting with small businesses used by the OED.

⁴⁵ See the FEMA Region Contacts list at <https://www.fema.gov/about/contact#region-1>.

⁴⁶ For more information about protective security advisors, see <https://www.cisa.gov/protective-security-advisors>.

⁴⁷ For information about EDA points of contact, see <https://www.eda.gov/contact/>.

⁴⁸ For a list of USDA regional offices, see <https://www.rma.usda.gov/RMALocal/Field-Offices/Regional-Offices>.

⁴⁹ For a list of HHS regional offices, see <https://www.hhs.gov/about/agencies/regional-offices/index.html>.

⁵⁰ For a list of CDC Agency for Toxic Substances and Disease Registry (ATSDR) Regional Offices, see <https://www.cdc.gov/cpr/readiness/phep.htm>.

⁵¹ For more information, see <https://www.nationalisacs.org/about-isacs>.

⁵² For a fusion centers map, locations and contact information, see <https://www.dhs.gov/fusion-center-locations-and-contact-information>.

681 The OED already had an online tool to share information with the private sector. However, this
 682 partnership enhanced two-way information sharing, allowing the private sector to provide as
 683 well as receive sitreps. This system also provides a chat room where private sector members
 684 can post best practices.

685 Additionally, the distribution of information is networked with the local Chamber of Commerce.



686 **Case Studies: Examples of Private Sector Engagement**

- 687 ▪ HealthCare Ready is a P3 that convenes industry and government and supports real-world
 688 disaster operations. HCR also publishes RxOpen, which provides the open/closed status of
 689 pharmacies nationwide.
- 690 ▪ Under Armour hosted the State of Maryland’s Private Sector Integration Program (PSIP)
 691 program annual summit in 2020.
- 692 ▪ Walmart publishes a stores open/closed status data service that is available as an RSS
 693 feed to all partners.

694 Table 1 provides sample operational requirements for P3s to consider.

695 **Table 1: Sample Operational Information Requirements**

	Public Needs from Private Sector	Private Sector Needs from Public
Resilience	<ul style="list-style-type: none"> ▪ Risk and vulnerability assessments ▪ Industry-specific thresholds, triggers and targets ▪ Capability profile, critical assets and key resources 	<ul style="list-style-type: none"> ▪ Resilience strategy and projects ▪ Frameworks, regulations, incentives ▪ Official situational awareness ▪ Procurement guidance
Response	<ul style="list-style-type: none"> ▪ Business open/closed status ▪ Community lifeline statuses ▪ Supply chain and logistics statuses ▪ Resource offers/requests 	<ul style="list-style-type: none"> ▪ Declarations/Status of operations ▪ Strategic response priorities ▪ Restrictions/Waivers, access/reentry requirements and procedures ▪ Security restrictions, curfews
Recovery	<ul style="list-style-type: none"> ▪ Economic conditions/housing inventory status ▪ Loss estimates due to damages or closures ▪ Nontraditional use of facilities ▪ Resources for donation/mass purchase ▪ Financing options 	<ul style="list-style-type: none"> ▪ Economic recovery priorities ▪ Permanent reconstruction plans ▪ Disaster recovery contracts and financing ▪ Support for critical facility restoration

696

697 Adopting common or shared technical standards helps focus and simplify engagement. Technical
698 requirements to develop, model, share and analyze operational information vary based on the level
699 of complexity of resilience-oriented or response-oriented engagement. Where applicable, P3s should
700 leverage the technical and geospatial capabilities of partners to facilitate information sharing and
701 analysis.

702 When operational and technical information requirements are clear, training and exercises should
703 incorporate them so that when operations occur, P3s are ready to share information. Information
704 operations should plan to have interoperable communications for all P3 participants. The
705 information management model provided in Appendix G will help P3s enhance capabilities based on
706 a maturity model for growth, as described in the next section.

707 **3.4. Assess and Refine**

Assess & Refine

- Conduct Stakeholder Analysis
- Evaluate P3 Activities
- Measure Progress

708

709

Figure 8: Assess and Refine Activities

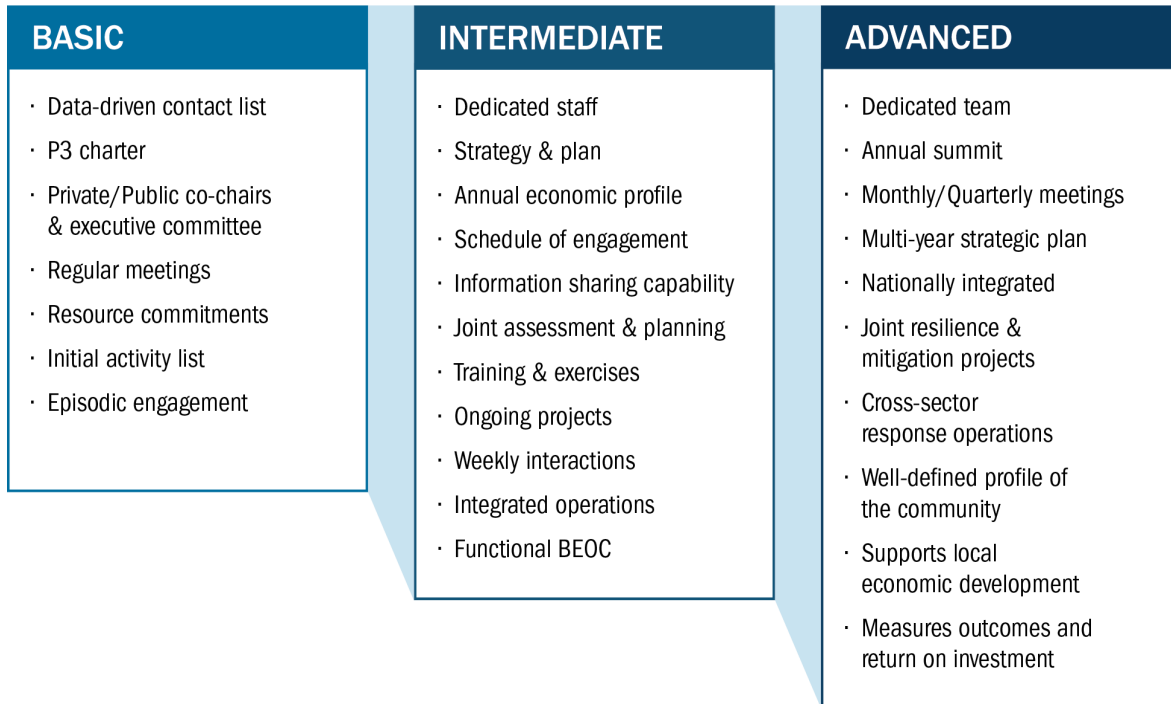
710 **3.4.1. CONDUCT STAKEHOLDER ANALYSIS**

711 Continuous improvement is essential to P3 development and maturation. Organizers should conduct
712 stakeholder analysis and review P3 membership on an annual basis. This includes obtaining an
713 annual economic profile update, reviewing stakeholder lists, confirming active partners and aligning
714 existing and new partners with relevant activities.

715 **3.4.2. EVALUATE P3 ACTIVITIES**

716 A P3 should plan to periodically evaluate its activities using steady-state program reviews, training
717 and exercise reviews and incident-specific after-action reports. Evaluation should focus on lessons
718 learned, gaps and opportunities for improvement. Organizers should update their P3 charter,
719 stakeholder register, plans and activities on an “as needed” basis so that lessons learned become
720 “lessons applied.”

721 As P3s evolve and grow, organizers should use the maturity model (Figure 9) to inform and measure
722 development over time using the milestones and maturity attributes. Upon reviewing and evaluating
723 its activities and overall program maturity, a P3 should develop and update its plans.



724

725

Figure 9: Program Maturity Model

726 **3.4.3. MEASURE PROGRESS**

727 Successful P3s have a clarity of purpose, targets and outcomes that can be measured and tracked
 728 over time. Table 2 identifies key progress indicators that are critical to enable programs to become
 729 meaningful and operational.

730 **Table 2: Key Drivers and Indicators of Successful P3 Programs**

Success Factors	Key Progress Indicators
Leadership	<ul style="list-style-type: none"> ▪ Administrative plan ▪ Resource commitment ▪ Charter ▪ Action plan ▪ Measuring stakeholder participation rates ▪ Delivering results
Shared Risk Assessments	<ul style="list-style-type: none"> ▪ Assessments of natural, social, built, economic and cyber environments that are supported by data and include expert perspectives of individual, community, enterprise and multi-enterprise levels ▪ Joint assessment reports that inform objectives and action plans ▪ Joint economic development and emergency management funding priorities

Success Factors	Key Progress Indicators
Outcome-Oriented Objectives and Action Plans	<ul style="list-style-type: none"> ▪ Annual objectives and action plans ▪ Defined organization-specific and P3 outcomes ▪ Mitigation and jurisdictional resilience targets achieved ▪ Increased readiness for operations
Integration	<ul style="list-style-type: none"> ▪ Joint resilience and response planning ▪ Resilience and mitigation project implementation ▪ Cross-sector mitigation, response and recovery core capabilities able to meet stabilization targets
Stabilization Targets	<ul style="list-style-type: none"> ▪ Jurisdiction mitigation and resilience priorities identified ▪ Defined metrics for mitigation and restoration of lifelines, supply chains and the economy

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732 **Appendix A: Example P3 Startup Checklist**

733 **Plan**

- 734 ▪ Initiate planning
- 735 ▪ Identify partners
- 736 ▪ Plan stakeholder engagement

737 **INITIATE PLANNING**

- 738 Assemble P3 organizers
- 739 Conduct initial planning meetings
- 740 Develop concept note
- 741 Draft business plan

742 **IDENTIFY PARTNERS**

- 743 Identify jurisdiction stakeholders
- 744 Maximize representation and equity

745 **PLAN STAKEHOLDER ENGAGEMENT**

- 746 Establish communications tools:
 - 747 Designated P3 email address
 - 748 Phone/web meeting platform
 - 749 Information exchange tools
 - 750 Email distribution lists
- 751 Develop multi-year strategic plan
- 752 Secure resource commitment
 - 753 Budget
 - 754 In-kind resources
 - 755 Support staff for a P3

756 **Engage**

- 757 ▪ Initiate outreach
- 758 ▪ Define P3 purpose and benefits
- 759 ▪ Develop and adopt a P3 charter

760 **INITIATE OUTREACH**

- 761 Conduct outreach to stakeholder list
- 762 Convene vision and planning meetings

763 **DEFINE P3 PURPOSE AND BENEFITS**

- 764 Determine P3 purpose and structure
- 765 Define the business case value proposition and benefits

766 **DEVELOP AND ADOPT A P3 CHARTER**

- 767 Identify or outline key charter elements:
 - 768 Mission, scope, membership, responsibilities
 - 769 Legal and financial foundation
 - 770 Co-chairs, executive committee
 - 771 Terms and conditions
- 772 Develop a membership agreement
- 773 Develop P3 program coordinator job description
- 774 Designate/hire P3 program coordinator
- 775 Define initial activity list
- 776 Establish a P3 stakeholder meeting approach
 - 777 Purpose, outcomes, agenda, schedule, location, invite list
 - 778 Roberts Rules, meeting etiquette, terms of engagement
 - 779 A plan for standing meetings, working groups and operational task forces

- 780 A plan for an annual summit
- 781 Conduct weekly, monthly, quarterly and annual meetings
- 782 Identify opportunities to integrate at local, state, regional, national and international levels
- 783 Commission a P3 delegate to participate in various activities

784 **Integrate**

- 785 Assess shared risks
- 786 Build jurisdictional resilience
- 787 Build response and recovery capacity
- 788 Integrate response and recovery operations

789 **ASSESS SHARED RISKS**

- 790 Conduct a joint assessment of shared risks
 - 791 Assess risk in five environments: natural, social, built, economic and cyber
 - 792 Encourage organization-specific assessments
 - 793 Convene jurisdiction-wide assessments
 - 794 Integrate findings at local, state, regional and national levels

795 **BUILD JURISDICTIONAL RESILIENCE**

- 796 Convene P3 members to develop/refine jurisdiction resilience strategy with jurisdiction leaders
 - 797 Convene dialogue with jurisdiction leaders
 - 798 Participate in local mitigation planning committees
 - 799 Contribute P3 inputs to the strategy and/or develop and publish strategy
 - 800 Develop a resilience action plan, milestones and timeline
- 801 Develop accessibility standards and stabilization targets for Community Lifelines and
802 infrastructure and supply chains
- 803 Facilitate dialogue to understand and inform local economic development priorities

- 804 Identify resilience opportunities and financing options; develop project proposals and
- 805 submit
- 806 Implement, monitor and evaluate effectiveness of mitigation projects
- 807 Align organizational strategies to jurisdictional resilience priorities
- 808 Strengthen community capacities and capabilities
- 809 Prioritize core capabilities that require P3 involvement
- 810 Identify internal/external capacity-building resources to leverage
- 811 Establish resilience targets
- 812 **BUILD RESPONSE AND RECOVERY CAPACITY**
- 813 Conduct joint planning
- 814 Identify joint planning needs and set a schedule for development
- 815 Jointly develop all hazards plans and incident annexes
- 816 Establish the mission, goals and objectives of disaster response and recovery operations
- 817 Develop a concept of operations
- 818 Develop standard operating procedures and guidance
- 819 Develop an emergency operations plan annex to integrate the private and public sectors
- 820 (as appropriate)
- 821 Develop pre- and post-disaster recovery plans
- 822 Determine the type of BEOC (virtual, physical, mobile, hybrid)
- 823 Determine a coordination focal point, examples public sector led, private sector led,
- 824 consortia led, hybrid
- 825 Identify a host venue for a physical BEOC, such as a university, EOC, continuity center,
- 826 corporate venue, or a hybrid of one or more
- 827 For a physical location, develop staffing and seating charts and shift schedules
- 828 Establish standing working groups
- 829 Determine information technologies to manage and share information

- 830 Develop a plan to provide access, credentials, security, equipment, systems and
- 831 hardware (as needed)
- 832 Conduct virtual and in-person joint training
- 833 Identify instructional and operational training needs, requirements and objectives
- 834 Establish a P3 training cycle, schedule and content delivery strategy
- 835 Develop P3 training instructor and participant materials
- 836 Conduct and evaluate trainings
- 837 Conduct virtual and in-person joint exercises
- 838 Establish a P3 exercise cycle, schedule and delivery strategy
- 839 Develop tabletop, functional and/or full-scale exercise facilitator, evaluator, participant
- 840 and observer materials
- 841 Conduct and evaluate exercises
- 842 Develop and share an after-action report (AAR) and improvement plan (IP) to participants
- 843 and stakeholders
- 844 **INTEGRATE RESPONSE AND RECOVERY OPERATIONS**
- 845 Establish and implement operational battle rhythms
- 846 Address normal operations, partial activation and full activation
- 847 Develop a schedule and template for response-oriented and task force meetings
- 848 Define and implement common operational activities
- 849 Define and use response stabilization targets for community lifelines, supply chains and
- 850 the economy
- 851 Establish cross-sector dependencies, mission priorities and task forces
- 852 Establish and use operational information requirements from public and private sectors
- 853 Establish and use reporting processes and report templates
- 854 Identify and adopt technology and information management standards
- 855 Support real-world special events and incident management

- 856 Scale response operations as needed

857 **Assess & Refine**

- 858 Conduct stakeholder analysis
- 859 Evaluate P3 activities
- 860 Measure progress

861 **CONDUCT STAKEHOLDER ANALYSIS**

- 862 Update economic profile annually
- 863 Review stakeholder member and participation lists
- 864 Measure stakeholder participation rates
- 865 Align existing and new partners with relevant activities

866 **EVALUATE P3 ACTIVITIES**

- 867 Conduct program review
- 868 Evaluate and revise P3 approaches based on the exercise AAR/IP process
- 869 Update the P3 based on post-incident analysis
- 870 Incorporate conclusions from routine member surveys and stakeholder feedback
- 871 Update charter, stakeholder register, plans and activities as needed
- 872 Use P3 maturity program maturity model indicators to assess progress

873 **MEASURE PROGRESS**

- 874 Measure progress based on success factors
- 875 Results-oriented leadership and participation
- 876 Harmonized risk assessments
- 877 Outcome-oriented objectives and action plans
- 878 Integration of resilience and response efforts
- 879 Stabilization targets supported

- 880 Measure progress based on outcomes
- 881 Short periods of disruption following a disaster
- 882 Efficient delivery of life-saving and life-sustaining services
- 883 Restored, modernized, hardened and resilient infrastructure systems, community
- 884 lifelines and supply chains
- 885 Resilient recovery of jurisdictions with stronger core capabilities
- 886 Inclusion and equity in jurisdictional resilience and response efforts
- 887 Individual loss avoidance such as lives, livelihoods and property
- 888 Adequate, resilient and affordable housing
- 889 Economic losses avoided, to include business sales, investment and tax losses
- 890 Improve community health and safety
- 891 Sustainable and resilient health, education and social services systems
- 892 Lower jurisdiction insurance premiums and taxes
- 893 Sustainable, diversified and resilient economy with new opportunities to create economic
- 894 activity
- 895 Restored, preserved, risk-resistant and resilient natural or cultural resources

896 Appendix B: Tools and Information to Develop an 897 Economic Profile

898 Depending on the specific needs identified for your P3, you may need different information from
899 several sources to build an economic profile of your jurisdiction. The following resources are not
900 exhaustive, but provide a solid starting point of platforms and information for you to consider that
901 are widely available, accessible and easy to use.

902 Table 3 lists organizations with a national perspective. Some of these organizations maintain
903 sensitive economic data that can't be released to the general public, but they have been willing to
904 share with emergency management organizations for planning purposes.

905 **Table 3: National-Focus Sources of Economic Information**

Resource	Access at	Description
FEMA's Platform for Understanding Lifeline Stabilization of the Economy (PULSE) program	The PULSE platform is located on https://fema.dnb.com . <ul style="list-style-type: none"> NOTE: Contact nbeoc@max.gov to request login credentials. 	<ul style="list-style-type: none"> Jurisdictions may request an economic profile from the PULSE program maintained by FEMA OB3I. PULSE profiles combine data from Dun & Bradstreet and publicly available sources. This resource is limited for government use or organizations working with OB3I and/or in support of NBEOC operations. See https://www.fema.gov/business-industry/national-business-emergency-operations-center for more information on the NBEOC.
Headwaters Economics economic profile system	Visit https://headwaterseconomics.org/ and scroll down the main page to "Economic Profile System"	<ul style="list-style-type: none"> Headwaters Economics is an independent, nonprofit research group that works to improve community development and land management decisions. Use the economic profile system – which compiles publicly available data – to search for socioeconomic profiles by community, county, or state.
Census Business Builder (CBB)	Visit https://www.census.gov/data/data-tools/cbb.html to access version 3.1 of the CBB for regional analysis	<ul style="list-style-type: none"> The CBB is a suite of services that provide selected demographic and economic data from the Census Bureau, tailored to specific types of users in a simple to access and use format

Resource	Access at	Description
U.S. Small Business Administration (SBA)	Visit https://www.sba.gov for an overview of all current programs available to local jurisdictions Visit https://web.sba.gov/pro-net/search/dsp_dsbs.cfm for the dynamic small business search database.	<ul style="list-style-type: none"> ▪ The SBA aids, counsels, assists and protects the interests of small business concerns to preserve free competitive enterprise and to maintain and strengthen the overall economy of the nation. ▪ The small business search database is generally a self-certifying database. The SBA does not make any representation as to the accuracy of any of the data included, other than certifications relating to 8(a) Business Development, HUBZone or Small Disadvantaged Business status.
U.S. Bureau of Labor Statistics (BLS)	Visit https://www.bls.gov/dev/developers to access the BLS public data API Visit https://www.bls.gov/data for a listing of all BLS databases, tables and calculators by subject.	<ul style="list-style-type: none"> ▪ The BLS is the principal fact-finding agency for the federal government in the broad field of labor economics and statistics. BLS is an independent national statistical agency that collects, processes, analyzes and disseminates essential statistical data for the public, Congress, other federal agencies, state and local governments, business and labor. ▪ See https://www.bls.gov/bls/bureau-of-labor-statistics-information-guide.pdf for the BLS Information Guide.
Bureau of Economic Analysis (BEA)	Visit https://www.bea.gov for data by topic or place, and a suite of tools including interactive data and the BEA API.	<ul style="list-style-type: none"> ▪ BEA, an agency of the Department of Commerce, produces economic accounts statistics that enable government and business decision-makers, researchers and the American public to follow and understand the performance of the nation's economy. BEA's promotes a better understanding of the U.S. economy by providing the most timely, relevant and accurate economic accounts data in an objective and cost-effective manner. Information is available at the county level for 3000+ counties across the U.S. as well as the value of the dollar per capita. ▪ See https://www.bea.gov/system/files/2020-01/weve-got-your-number-booklet-2020.pdf for information and instructions on how to access BEA data and information.

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907

908

Also consider reaching to organizations with local and state perspectives for additional information to inform your economic profile, such as the potential resources in Table 4.

Table 4: Local- and State-Focus Sources of Economic Information

Resource	Access at	Description
Regional Planning Commission (RPC)	Find the RPC supporting your jurisdiction.	<ul style="list-style-type: none"> Contact your RPC to request available information on urban and regional planning to develop your economic profile. Available information may include land-use activities, infrastructure and settlement growth
Local economic development organization	Visit https://www.eda.gov/resources/national-economic-development-organization.htm to identify your local economic development organization	<ul style="list-style-type: none"> Local economic development organizations engage in strategic planning through partnerships between local government, the business community and NGOs to stimulate investments that will promote sustained high growth in a local community.
Chamber of Commerce	Find the local chamber(s) of commerce supporting your jurisdiction.	<ul style="list-style-type: none"> Chambers of commerce are nonprofit organizations of local businesspeople that networks to promote the interests of the business community. They often will provide a list of member businesses with contact information within a jurisdiction.
Annual municipal Comprehensive Annual Financial Report (CAFR)	Coordinate with your local economic development district and/or city council to request the CAFR for your jurisdiction.	<ul style="list-style-type: none"> The CAFR provides accurate and meaningful information concerning a city's financial condition and performance, listing the top employers in the city.
State-level Department of State	Visit https://www.state.gov/department-of-state-by-state to search for the Department of State for your home state	<ul style="list-style-type: none"> These state-level agencies track business registrations and collect information on companies in your state.

911 **Appendix C: Private-Public Partnership Sample Charter**

912 **Name:** [The official name designation of the partnership]

913 **Charter Publication/Revision Date:** [Date of approval]

914 **Mission Statement:** [A formal statement of the reason for the partnership.]

915 **Scope:** [A definition of primary activities required to achieve the mission, and the boundaries, of the
916 partnership.]

917 **Executive Summary:**

918 ▪ **Business Case:** [State the problem and articulate the reasoning to initiate the partnership.]

919 ▪ **Value Proposition:** [Convince participants why the partnership is worthwhile.]

920 ▪ **Benefits:** [Describe the advantages gained by participating in and/or becoming a member of the
921 partnership.]

922 **Goals:** [Define the desired end results of the partnership in specific and measurable terms.]

923 **Key Stakeholders:** [Define the roles and responsibilities.]

924 ▪ Chairpersons

925 ▪ Executive Committee

926 ▪ Membership

927 ▪ Participants

928 ▪ Sub-Groups

929 **Financial Considerations:** [Define the main expenses and funding and sustainment approach.]

930 **Legal Considerations:** [Include legal and ethical considerations, including decision making
931 authorities, conflicts of interest and others, as appropriate.]

932 **Charter Maintenance:** [Define the intended frequency of charter updates and revisions and the plan
933 to assess and refine.]

934 **Signatory Page:** [Include a signatory page for all charter co-signers.]

935 **Appendix D: Private-Public Partnership Membership**
936 **Agreement Sample**

937 **Section 1.** This document may be cited as the [INSERT NAME of AGREEMENT].

938 **Section 2. Purpose and Authorities** [Identify the purpose and authorities of the partnership with
939 reference to the charter.]

940 **Section 3. Member Responsibilities** [Define roles and responsibilities of members. Include statement
941 of acknowledgement by Member.]

942 **Example:**

943 On behalf of myself and/or the company/organization/association/entity named below
944 (hereinafter "Entity"), I hereby acknowledge and agree to the following terms and
945 conditions for participation as a member of the (INSERT NAME OF
946 PARTNERSHIP/PROGRAM).

- 947 • Insert terms and conditions of membership
- 948 • Insert financial, legal and ethical considerations
- 949 • Privacy notice and consent

950 **Section 4. Entity Acknowledgement:**

951 **Example:**

952 I, the undersigned, agree on behalf of Entity to the above terms and conditions for
953 participation as a member of the [Insert Partnership/Program Name Here].

- 954 • Entity Name:
- 955 • Point of Contact:
- 956 • Authorized Representative Name:
- 957 • Authorized Representative Title:
- 958 • Telephone Number:
- 959 • E-mail Address:

960
961 Signature:

962 Date:

963 Appendix E: Private-Public Partnership Program 964 Coordinator Position Description Sample

965 **Position Summary:** [Define the position title and organization. Describe the purpose, roles and
966 responsibilities of the position.]

967 **Sample:**

968 Under the general direction of [OFFICE, ORGANIZATION], the Coordinator will manage a
969 private-public partnership program designed to build resilience by improving
970 preparedness, mitigation, response and recovery efforts in the jurisdiction. The Coordinator
971 will be responsible for planning, engaging, integrating and refining the program.

972 **Responsibilities:** [Define organizational expectations for the role and the functions the position will
973 be accountable for.]

974 **Sample Menu of Responsibilities:**

975 **Organize, develop, promote and facilitate private-public partnership program to** 976 **foster resilience.**

- 977 • Develop and manage execution of a program plan.
- 978 • Develop an annual social and economic profile of the community to develop an inclusive
979 stakeholder engagement plan and contact list.
- 980 • Conduct or participate in development of a risk assessment that identifies risks shared
981 by the private and public sectors in the natural, social, built and economic
982 environments.
- 983 • Conduct stakeholder outreach, communications and engagement to develop
984 relationships with businesses, industry associations, trade groups, community
985 organizations, volunteer groups and the general public.
- 986 • Act as a liaison to private and public sector stakeholders to provide support and
987 coordination before, during and after an incident.
- 988 • Organize, facilitate, attend and participate in workshops, conferences, focus groups,
989 local planning committees and meetings to build relationships, identify needs and
990 develop strategies and action plans for community resilience.
- 991 • Develop plans, guidance, presentations and promotional materials to develop private-
992 public partnerships and create awareness of emergency preparedness, mitigation,
993 response and recovery.

994 **Organize private-public partnership program participants to build capacity and** 995 **support response and recovery operations.**

- 996 • Identify and facilitate development of jurisdictional core capabilities that require
997 private sector involvement.

- 998 • Facilitate development and adoption of accessibility standards and stabilization targets
- 999 for community lifelines, infrastructure and supply chains.
- 1000 • Conduct joint planning for all-hazards mitigation, preparedness, response and recovery
- 1001 with private and public stakeholders.
- 1002 • Coordinate development of a concept of operations for disaster response and recovery
- 1003 operations.
- 1004 • Facilitate identification of private-public operational information requirements and
- 1005 establishment of information sharing standards.
- 1006 • Develop procedures and guidance for the operation and sustainment of the Business
- 1007 Emergency Operations Center (BEOC), either physical or virtual.
- 1008 • Coordinate design, delivery and participation in joint training and exercises.
- 1009 • Support real-world special events, incident management and response and recovery
- 1010 operations, as required.
- 1011 **Other Tasks and Duties.**
- 1012 • Research federal, state and local programs and among private sector partners to
- 1013 identify best practices.
- 1014 • Identify funding and other resources to support private-public partnership programs
- 1015 and manage related grants.
- 1016 • Develop content for web-based and print materials used for education and outreach,
- 1017 such as press releases, brochures and web resources.
- 1018 • Monitor, measure, assess and refine the progress and outcomes of the program
- 1019 activities and provide monthly progress updates.

1020 **Knowledge, Skills and Abilities (KSAs):** [Define the subjects and items of information the employee

1021 should know at the time of hire.]

- 1022 **Sample Menu of KSAs:**
- 1023 Strong knowledge and experience in program management.
- 1024 Working knowledge of principles and practices of whole community resilience, emergency
- 1025 management, economic development and/or public relations.
- 1026 • Ability to develop strong relationships and facilitate partnerships with government
 - 1027 agencies, businesses, nonprofits and other community organizations for the purpose of
 - 1028 improving emergency preparedness.
 - 1029 • Ability to synthesize complex and technical subjects in emergency management and
 - 1030 communicate to a general audience.

- 1031 • Considerable knowledge of planning and coordinating programs and activities which
- 1032 involve a multi-year strategy, development of policies/guidance and participation by a
- 1033 variety of governmental and nongovernmental entities.

- 1034 Ability to develop materials which the news media, businesses, community organizations
- 1035 and the general public will find meaningful, timely and suitable to their own requirements.

- 1036 • Knowledge and skills for research, development and implementation of informational
- 1037 presentations to small and large groups.

- 1038 • Skill in preparation, layout and development of promotional materials, flyers and other
- 1039 written/visual tools.

- 1040 • Ability to plan effective public information programs.

- 1041 • Exceptional communication skills, both written and verbal.

- 1042 • Considerable knowledge and experience working in MS Office (Word, Publisher and
- 1043 PowerPoint) and Adobe (Photoshop & Acrobat).

1044 **Special Requirements:**

- 1045 ▪ Minimum Education
- 1046 ▪ Certifications
- 1047 ▪ Minimum years of experience
- 1048 ▪ Resident and/or Citizenship Documentation

1049 **Appendix F: Sample Qualitative and Quantitative Targets**

1050 Organizers of a P3 should develop targets based on the dependencies shown in Figure 1. The
1051 following sample targets are adapted from the FEMA Incident Stabilization Guide⁵³ and U.S.
1052 Resilience Project (2011).⁵⁴ This is a starting point, rather than an exhaustive list.

1053 **Sample Stabilization Targets: Qualitative**

1054 **SAFETY AND SECURITY LIFELINE:**

- 1055 ▪ Threats to life safety are no longer a concern for all response personnel and impacted
1056 communities.
- 1057 ▪ Government-essential functions, including executive leadership, are operational.
- 1058 ▪ Sufficient search and rescue assets are on-scene to assist all survivors.
- 1059 ▪ Sufficient fire resources are available to support fire suppression efforts.

1060 **FOOD, WATER, SHELTER LIFELINE:**

- 1061 ▪ All survivors, their pets and service animals have access to food, water and sanitation.
- 1062 ▪ Sheltering (including reception, capacity and wraparound services) is supporting the displaced
1063 population.
- 1064 ▪ Sufficient resources are in place to sustain agricultural requirements.

1065 **HEALTH AND MEDICAL LIFELINE:**

- 1066 ▪ All survivors, their pets and service animals have access to required medical and veterinary care.
- 1067 ▪ Emergency medical systems are capable of managing patient movement requirement.
- 1068 ▪ Public health services are accessible to all survivors.
- 1069 ▪ Sufficient temporary fatality management support is in place to meet processing demand.
- 1070 ▪ The medical supply chain is capable of adequately resupplying medical care providers.

1071 **ENERGY LIFELINE:**

- 1072 ▪ Generators are providing temporary emergency power at critical facilities necessary to stabilize
1073 other lifelines.
- 1074 ▪ Fuel distribution is available for responders.

⁵³ The FEMA Incident Stabilization Guide (November 2019 Operational Draft) is available at <https://www.fema.gov/media-library-data/1576779438545-484372199671c0822a53a7ee9f4ffc2b/IncidentStabilizationGuide.pdf>.

⁵⁴ The NIST Community Resilience Planning Guide also has resources to assist jurisdictions in determining resilience targets. See <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.1190GB-11.pdf> and <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.1190GB-9.pdf>.

- 1075 ▪ Sufficient fuel distribution is available for survivors, including to support individuals dependent
1076 on power for life-sustaining medical care.

1077 **COMMUNICATIONS LIFELINE:**

- 1078 ▪ Survivors have access to commercial communications infrastructure to contact or be contacted
1079 by emergency services.
1080 ▪ The land mobile radio communications network is operational.
1081 ▪ Public safety answering points are available to the public.
1082 ▪ Survivors have access to financial services.

1083 **TRANSPORTATION LIFELINE:**

- 1084 ▪ Multimodal routes (air, rail, road, port) are clear of debris and accessible by normal or alternate
1085 means.

1086 **HAZARDOUS MATERIAL LIFELINE:**

- 1087 ▪ All contaminated areas are identified and secure.

1088 **SUPPLY CHAIN:**

- 1089 ▪ Establish two-way communications channels with industry
1090 ▪ Provide security for industry response and recovery resources
1091 ▪ Support industry to access impacted areas
1092 ▪ Support industry requirement for fuel and other forms of energy
1093 ▪ Support industry access to transportation networks
1094 ▪ Remove regulations that impede moving people and goods.

1095 **Sample Stabilization Targets: Quantitative**

- 1096 ▪ 80% of all businesses and industries are open for business.
1097 ▪ 80% of lifeline-supporting businesses are operational.
1098 ▪ Primary supply chains into the affected the community are 80% operational.
1099 ▪ Sales, jobs and gross domestic product numbers cease contraction and steadily grow
1100 ▪ Overall Business Health Index ceases decline and steadies or improves
1101 ▪ Small Business Health Index ceases decline and steadies or improves
1102 ▪ Small businesses closures have leveled to +/- 3% of the normal churn rate.
1103 ▪ Economic activity indices show that sharp declines have ceased and have stabilized or are
1104 increasing monthly.
1105 ▪ Industry viability indicators for community lifelines are stable or improving on a monthly basis.

1106

Appendix G: P3 Information Sharing Continuum

1107

A P3's information sharing capabilities mature over time as it strengthens relationships and gains

1108

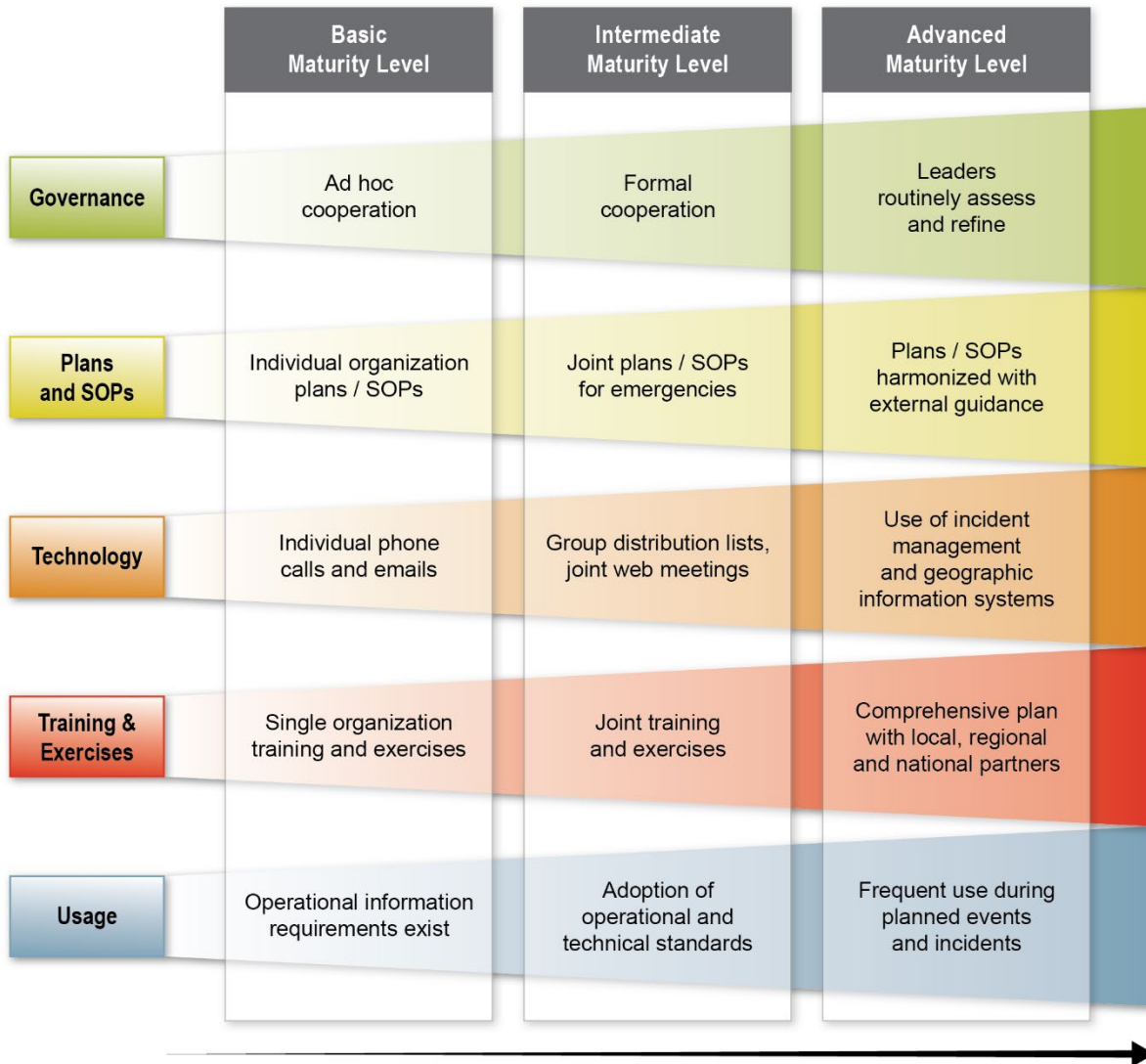
experience. Standard operating procedures (SOPs) are tested through exercises and employed

1109

during real-world events, allowing a P3 additional opportunities to advance along the information

1110

sharing continuum outlined in Figure 10.



1111

1112

Figure 10: P3 Information Sharing Continuum

1113

1114 **Appendix H: Acronym List**

1115	CBB	Census Business Builder
1116	CDC	Centers for Disease Control and Prevention
1117	CISA	Cybersecurity and Infrastructure Security Agency
1118	COVID-19	Coronavirus Disease 2019
1119	CPPTF	Chicago Public-Private Task Force
1120	DHS	Department of Homeland Security
1121	EDA	Economic Development Administration
1122	EOC	Emergency Operations Center
1123	EOP	Emergency Operations Plan
1124	ESF	Emergency Support Function
1125	FEMA	Federal Emergency Management Agency
1126	HCR	HealthCare Ready
1127	IP	Improvement Plan
1128	LEPC	Local Emergency Planning Committee
1129	NBEOC	National Business Emergency Operation Center
1130	NEMA	National Emergency Management Association
1131	NIMS	National Incident Management System
1132	NIPP	National Infrastructure Protection Plan
1133	NRF	National Response Framework
1134	OB3I	Office of Business, Industry, Infrastructure and Integration
1135	OED	Office of Economic Development
1136	OEM	Office of Emergency Management
1137	PSIP	Private Sector Integration Program

1138	PULSE	Platform for Understanding Lifeline Stabilization of the Economy
1139	RAPT	Resilience Assessment Planning Tool
1140	RPC	Regional Planning Commission
1141	RSF	Recovery Support Function
1142	RSS	RDF Site Summary or Really Simple Syndication
1143	SBA	Small Business Administration
1144	SLTT	State, Local, Tribal and Territorial
1145		

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1146 **Appendix I: Glossary**

1147 **Business emergency operations centers (BEOCs):** A physical or virtual meeting and collaboration
1148 space that provides a consistent integration point for private and public coordination for sustained
1149 response and recovery operations.

1150 **Finance-based public-private partnership:** Agreement between a public agency and a private entity
1151 that allows greater private participation in the delivery of financing of projects, moving beyond the
1152 traditional design-bid-build (DBB) model to an approach where the private sector partners are more
1153 involved and maintain greater responsibility for project execution.

1154 **Jurisdiction:** An entity that generally oversees coordination across a geographic area. For this guide,
1155 “jurisdiction” begins at the local level – a county, a city or a town or combination of jurisdictions such
1156 as a Council of Governments or Homeland Security Region. It applies to the private sector, as it is a
1157 critical part of a jurisdiction. The term also applies to a state, tribe or territory.

1158 **Private-public partnership (P3):** Any type of informal or formal cooperative arrangement between two
1159 or more organizations of private industry and the public sector for their mutual benefit that is
1160 designed to ensure the life safety, economic security and resilience of jurisdictions.

1161 **Public-private partnership:** Arrangement between a public agency(ies) and a private entity(ies)
1162 supporting a government goal, which often provides limited benefits to the private partner (visibility,
1163 opportunities for input).

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