Complete the following SEMP sections for:   
**The DARPA Urban Challenge – See Canvas/Course Documents – *Or* Agreed to Other Project**

# Introduction

## Document Purpose

Why is this document being written? How is it intended to be used? Clearly identify the organization developing and performing this plan (i.e., who/what is your company/ organization?).

## Document Scope

What does it cover? What general subjects are *not* included?

## Document Update

Rationale, Method and Frequency – Why, how, and how often?

## Program Summary

### Program Objectives and Scope

What are the primary objectives (programmatic and technical)? How will you (any your customer) determine “success?” What is the program organizational and business context? Are there any limitations or key assumptions? Information in this section will be used to evaluate adequacy of this plan.

### Project Summary and Deliverables

Describe major phases of the project, key milestones and deliverables in each phase. These can be more than hardware and software.

### Technical Description

Describe the system and the strategy or approach to achieving the technical objectives. Describe how requirements for all life-cycle phases will be developed and incorporated.

# Reference Documents

Identify references on which you are depending **and** which area(will be) cited in the text. How are these references tailored, prioritized, and applied? (Do the best you can for now; the lists may be added to as the semester proceeds to the mid-term, and you write more of the document.)

## Industry References

Standards, industry handbooks, other references that are applicable (and therefore you need not describe the processed contained therein!). Identify which are “guidance” (provide useful information) and which are “compliance” (must be adhered to). For “Compliance”, the referencing section of the plan must address how compliance will be shown. List in a tabular form.

Table ‑. Industry References

| **Document Number** | **Document Title, Version, Date** | **“Guidance” or “Compliance”?** |
| --- | --- | --- |
| ISO/IEC/IEEE 15288 | Systems and Software Engineering – System Life-Cycle Processes, 2015. | Guidance |
|  |  |  |

## Acquirer References

Acquirer-specific references. Top level description of how they apply. All DARPA Urban Challenge documents should be listed here (if that is your project). More generally, this section might not be applicable for own company-funded development (e.g., IRAD).

Table ‑. Acquirer References

| **Document Number** | **Document Title, Version, Date** | **“Guidance” or “Compliance”?** |
| --- | --- | --- |
|  |  | Compliance |
|  |  |  |

## Enterprise References

Your company items/policies/processes that likely apply to more than just your program.

Table ‑. Enterprise References

| **Document Number** | **Document Title, Version, Date** | **“Guidance” or “Compliance”?** |
| --- | --- | --- |
|  |  |  |
|  |  |  |

## Program References

Project-specific references controlled by the performing organization. May include, for example, program management plans, configuration management plans, risk management plans, etc., if tailored to the program instead of company wide.

Table ‑. Program References

| **Document Number** | **Document Title, Version, Date** | **“Guidance” or “Compliance”?** |
| --- | --- | --- |
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If not using the DARPA Urban Challenge, please submit any program-specific compliance documents separately with your homework submission in Canvas; do *not* embed in this document.