DELIVERABLE 1 – LEARNING ABOUT ADVANCED WORK PACKAGING (AWP)

Revision 0

October 2021

O3 is a modern web-based platform that leverages Advanced Work Packaging and Agile best practices to disrupt the status quo for companies in industrial construction who want to improve productivity, safety, quality, and predictability.

O3 SOLUTIONS

TABLE OF CONTENTS

ATTACHMENTS

None

OVERVIEW

This is the first deliverable in the AWP Implementation Toolkit. The intent for this toolkit is to provide help and guidance for people and companies looking to start their AWP journey. Each deliverable will be structured as a logical, sequential part of the process, and the resulting toolkit will provide a step-by-step guide to AWP implementation and execution.

In this deliverable, we will start our journey by learning what AWP is, and how to access the abundant available information on AWP that exists from various sources and providers.

KEY CONCEPTS

AWP began as a Workface Planning (WFP), and was initially developed in Canada as an effort to reverse declining field productivity by improving execution planning and efficiency. This concept was then extended into a partnership between the Construction Owners Association of Alberta (COAA) and the Construction Industry Institute (CII).

AWP was recognized as a CII Best Practice in 2015.

There is a LOT of information about AWP, so it can be difficult to know where to start. Below, we will focus on the key information sources and most easily accessible information.

CONSTRUCTION INDUSTRY INSTITUTE (CII)

CII is the primary source for AWP information, and the organization that lists AWP as a Best Practice.

Access

Any of the information below relating to CII is for members only. A current CII membership is required to open / download the research papers and tools.

Website

https://www.construction-institute.org/resources/advanced-work-packaging-(awp)-overview

The AWP information on this 'landing page' is grouped into three categories:

- Discover – For new users and those seeking information about AWP.
- Engage – Tools and information for those looking to implement AWP.
- Expand – For organizations looking to expand AWP across their portfolio.

There are several publications or tools within each category:

Discover

Product	Description
AWP Education Primer	A starting point, to understand the basic principles. ("AWP 101"). Easy to read summary of the key concepts and terminology.
AWP Acronyms & Definitions	Learn to "speak AWP". This glossary provides a reference guide to understand the acronyms and terms used in AWP.

RT-272 – WorkFace Planning as a Best Practice	Where it all began, and the starting point for AWP. This document covers the Workface Planning model and its application.
RT-319 – AWP as a Best Practice	The document that led to AWP becoming a Best Practice. Evaluating the impact of AWP on project performance, and understanding the relative benefits relating to AWP maturity.
RT-365 – Overcoming Implementation Barriers	Identification of potential solutions to overcome AWP implementation barriers, including the publication of the AWP Concierge.

Engage

Product	Description
RT-300 – AWP for Frontline Supervisors	Understanding the impact of AWP on forepersons, and how AWP helps frontline supervisors to better align with stakeholders and plan work.
AWP Maturity Level Benefits Tool	This tool explores the use of a "crawl, walk, run" approach to AWP implementation, including the various levels of maturity and their associated costs and benefits.
AWP ROI Tool	Calculate the costs and benefits of implementing AWP on your projects. Assess the ROI for the project and justify the decision to roll it out.
AWP Concierge	The tool associated with RT-365 (above), regarding the identification of potential solutions to overcoming AWP implementation barriers.

Expand

Product	Description
RT-TC-03 – Supply Chain Visibility	Understand how to integrate supplier data in your AWP implementation, and the benefits for digital threads.
WG19-01 – AWP Data Requirements	Identify and standardize the data requirements for AWP, throughout the project lifecycle, to ensure that the data can fully support mature AWP.
RT-363 – Integrating the Supplier Chain	Align the supply chain strategy to support the Path of Construction. Identify critical suppliers that should be engaged early.
RT364 – AWP for C&SU	Understand the impact of AWP on Commissioning and Start-up, to ensure that the Path of Construction aligns with the start up sequence.

Committees

CII also has a number of active AWP Committees and Working Groups, who are exploring new and innovative developments in AWP implementation. These groups are open to new members, so if you have an interest in participating, or want to network with other members, click on the link below.

https://www.construction-institute.org/resources/advanced-work-packaging-(awp)-overview/network-with-the-awp-experts

Community for Business Advancement (CBA)

CII hosts a monthly meeting of the CBA, where an array of speakers provide updates on developments and latest trends in AWP. To sign up, use the link below.

https://www.construction-institute.org/groups/communities-for-business-advancement/advanced-work-packaging

CONSTRUCTION OWNERS ASSOCIATION OF ALBERTA (COAA)

The other long-term and preeminent source of AWP and workface planning information. COAA has a comprehensive library of AWP information and reference material.

Access
The COAA library is free to access, and does not require any membership.

Website
https://www.coaa.ab.ca/library/advanced-work-packaging-summary/

The library content is not organized into groupings or categories in the way that the CII AWP website is, and some of the information is a little dated. But the simple fact that it is free to access and has a large number of tools, checklists, presentations, job descriptions, procedures and templates makes it a valuable source of information.

To use the library, the best option is to browse all the available content and determine which elements might be of use to your company.

AWP INSTITUTE

The AWP Institute was established in 2013 as a not-for-profit information source relating to Advanced Work Packaging.

Access
The site and its contents are free to access, and do not require any membership.

Website
https://www.workpackaging.org/

The website contains a large number of presentations, articles, resources, interviews and publications relating to AWP and its implementation.

AWP CONFERENCE

The AWP Conference, presented by Group ASI, is the longest-running conference dedicated to Advanced Work Packaging.

Originally an annual AWP Conference in North America, the events have now been expanded to include specialized summits relating to AWP for Power & Utilities, AWP for the Mining Industry, AWP for Infrastructure Projects, and AWP + Lean.

Access
Refer to conference event listings for dates, locations and pricing.

Website
https://awpconference.com/

CONCORD ACADEMY

Concord Academy provides the only self-paced AWP training available on the market. The courses offered include AWP 101, AWP Fundamentals, AWP Champion, and Workface Planning.

Access
Refer to the website for course access and pricing.

Website
https://academy.tconglobal.com/