



Greater Toronto Airports Authority

BIM STANDARDS

v.4.0 | August 2020



1. Revision log

Revision	Date	Author	Notes
2.0	June 11, 2019	EAS	Content modification
3.0	March 2, 2020	EAS	Adding Revision Log, Splitting internal and external documents
4.0	Aug 4, 2020	EAS	Adding Appendix H

2. Introduction

2.1 GTAA BIM Standards Overview

This document lists all BIM Standards documents and their attachments describing requirements for any GTAA project whether created in-house or by external consultants and contractors. Its purpose is to provide reference to specific documents that combined create complete GTAA BIM Standards. Each of below mentioned documents, templates and worksheets must be reviewed before starting the project to ensure comprehensive understanding of current and intended GTAA BIM uses and required deliverables.

BIM is mandatory on selected current and future GTAA design and construction projects. Any consultant and contractor engaged in BIM projects is required to have sufficient knowledge of BIM technology, hardware and software and assign experienced resources specialized in use of BIM for the whole project duration.

The objective of using BIM at GTAA is to make the design, construction and operations process more efficient and eliminate as many uncertainties as possible. BIM helps to streamline communications, enhance coordination, reduce risk and improve quality. GTAA's intention is to utilize BIM through the whole lifecycle of its assets. To achieve this, all requirements listed in below documents must be followed.

2.2 List of GTAA BIM Standards documents:

2.2.1 List of GTAA External BIM documents:

2.2.1.1 GTAA BIM STRATEGY incl. appendices:

Appendix A: Project Specific BIM Uses

Appendix B: GTAA BIM Execution Plan Template

Appendix C: LOD Matrix

Appendix D: GTAA CADD Standard Guide

Appendix E: GTAA Record Data Submissions

Appendix F: Identification and Labeling Standards Manual

Appendix G: GTAA Design Parameters Templates

Appendix H: GTAA Site Survey and Control requirements

2.2.1.2 Autodesk Revit Templates (Issued after award)

2.2.1.3 Shared Parameters File (Issued after award)

2.2.2 List of GTAA Internal BIM documents:

2.2.2.1 GTAA Internal BIM Processes

2.2.2.2 GTAA BIM RFP Language

2.2.2.3 GTAA BIM Contract Language

2.3 List of related GTAA documents for Facility Management:

2.3.1 Guide to Providing Data for Assets Requiring Maintenance

2.3.2 RMax Data Templates