

## Notice

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Note: The Checkpoint Requirements and Planning Guide (CRPG) consists of the main document and three appendices. The main document is available here:

<https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide.pdf>

Appendix A (what you are currently reading) contains the equipment blocks and tags and is available here: [https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide\\_appendix-a.pdf](https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide_appendix-a.pdf)

Appendix B contains the electrical and data information and is available here:

[https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide\\_appendix-b.pdf](https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide_appendix-b.pdf)

Appendix C contains checkpoint layout examples and is available here:

[https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide\\_appendix-c.pdf](https://www.tsa.gov/sites/default/files/checkpoint-requirements-and-planning-guide_appendix-c.pdf)

We are working to make the embedded files and appendices 508-compliant. Non-compliant documents will be replaced as soon as possible.

## Accessing Embedded Files

When you initially click on the link to open the CRPG or appendix file you may be given the choice to **Open** or **Save as**. If you choose the **Save As** option, make sure to **Enable Editing** from the Security Warning banner to access the embedded files. If you choose to **Open** the file, you must also enable editing to access the embedded files. To enable editing, select **View > Edit Document**. **PLEASE NOTE DWG files are only accessible to those with CAD programs or viewers.**

Opening Embedded PDFs in New Window



CRPG\_How To Open  
Embedded PDF In New

## Disclaimer

It is the project sponsor's responsibility to create drawing concepts, issue construction documents, and provide record as-built drawings in AutoCAD and PDF. Maximum flexibility in the checkpoint size and infrastructure must be considered for future checkpoint reconfigurations and new checkpoint terminal planning. TSA equipment is subject to change, which may affect the checkpoint space and infrastructure requirements. Additionally, adjustments may be required after installation of TSA equipment if there are changes to design and/or operations of the checkpoint. The project sponsor should be prepared to update these documents as needed.

Prior to beginning and finalizing checkpoint designs, airports should check with TSA to confirm they have the latest Checkpoint Requirements and Planning Guide standards. The CRPG is subject to change between releases for equipment layout and components of the checkpoint and may include addition or removal of items listed/not listed within this document. Users of this document should check with Dale Mason ([dale.mason@tsa.dhs.gov](mailto:dale.mason@tsa.dhs.gov)) from the Requirements Development Branch for the latest documents/standards and/or their TSA Program Manager.

TSA does not endorse specific equipment or specific original equipment manufacturers. All equipment shown is for example only.

This guide is dynamic and accessible from public domains for all who need to create airport checkpoint drawings and projects. Resource and requirement documents that are embedded in the PDF can be accessed and studied for standard and complex facets of any checkpoint project.





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## Appendix A A-Sheets and E-Sheets

This section provides equipment blocks and equipment tags and electrical device configurations for equipment, by technology and manufacturer. Various configurations are possible; not all may be depicted in this section.

NOTE: CAD (.dwg) files will only open for those with the CAD programs. If you do not have a CAD program, please use the PDF.

Revision	Date	Description of Changes
0	08/01/2023	Initial publication as Appendix A containing A-Sheets and E-Sheets; Added information for IDSS mid, Scarabee mid, Scarabee full, Smiths base, Smiths mid, and Smiths full; Updated Analogic Full E-Sheet
1	08/01/2024	Added CAT-2 block; Removed “wings” from TDC/CAT shielding; Updated AT-CT reference to CPSS Base Legacy; Updated R&S block to include resolution stations; Updated standard to 30x72” tables with dual AVS on CPSS mid and note explaining use of 30x48” only if 30x72” does not fit; Added CPSS base machine examples without manual diverter roller (MDR) and updated general notes to explain when CPSS base should be used; Validated and updated maintenance clearances on CPSS machines and color-coded minimal vs. preferred maintenance clearances; Updated Smiths search tables to 30x48” table standard for base and two 30x36” that equal the 30x72” standard on mid and full; Added general note to explain Scarabee full CPSS ETD exception (one per lane) to the current ETD methodology (one per mod set); Updated IDSS to SureScan
























## A-1 A00 Series Sheets (Equipment Blocks and Equipment Tags)

Please reference the general notes contained within the sheets.

Vendor/Equipment	Drawing(s)
Legacy Equipment, CAD File	 A-1 A-001 Legacy Equipment Sheet Tem
Legacy Equipment, PDF File	 A-1 A-001 Legacy Equipment Sheet Tem
CPSS Base Legacy – Smiths, CAD File	 A-1 A-002_Legacy CPSS Sheet Template_
CPSS Base Legacy – Smiths, PDF File	 A-1 A-002_Legacy CPSS Sheet Template_
CPSS – Analogic Base, CAD File	 A-1 A-003 CPSS Base Analogic Sheet Templ
CPSS – Analogic Base, PDF File	 A-1 A-003 CPSS Base Analogic Sheet Templ
CPSS – Analogic Mid, CAD File	 A-1 A-004 CPSS Mid Analogic Sheet Templ
CPSS – Analogic Mid, PDF File	 A-1 A-004 CPSS Mid Analogic Sheet Templ
CPSS – Analogic Full, CAD File	 A-1 A-005_CPSS Full Analogic Sheet Templ
CPSS – Analogic Full, PDF File	 A-1 A-005_CPSS Full Analogic Sheet Templ
CPSS – Analogic Full eXpress, CAD File	A-1 A-005 CPSS Full Analogic Express Sheet Template 2024 0801.dwg 
CPSS – Analogic Full eXpress, PDF File	A-1 A-005 CPSS Full Analogic Express Sheet Template 2024 0801.pdf. <a href="#">Click Here for PDF</a>









Vendor/Equipment	Drawing(s)
CPSS – Scarabee Mid, CAD File	  A-1 A-004_CPSS Mid Scarabee Sheet Temp
CPSS – Scarabee Mid, PDF File	 A-1 A-004_CPSS Mid Scarabee Sheet Temp
CPSS – Scarabee Full, CAD File	  A-1 A-005_CPSS Full Scarabee Sheet Temp
CPSS – Scarabee Full, PDF File	 A-1 A-005_CPSS Full Scarabee Sheet Temp
CPSS – Smiths Base, CAD File	  A-1 A-003_CPSS Base Smiths Sheet Templat
CPSS – Smiths Base, PDF File	 A-1 A-003_CPSS Base Smiths Sheet Templat
CPSS – Smiths Mid, CAD File	  A-1 A-004_CPSS Mid Smiths Sheet Templat
CPSS – Smiths Mid, PDF File	 A-1 A-004_CPSS Mid Smiths Sheet Templat
CPSS – Smiths Full, CAD File	  A-1 A-005_CPSS Full Smiths Sheet Templat
CPSS – Smiths Full, PDF File	 A-1 A-005_CPSS Full Smiths Sheet Templat
CPSS – SureScan Mid, CAD File	  A-1 A-004_CPSS Mid SureScan Sheet Temp
CPSS – SureScan Mid, PDF File	 A-1 A-004_CPSS Mid SureScan Sheet Temp
CPSS – SureScan Full, CAD File	A-1 A-005 CPSS Full SureScan Sheet Template 2024 0801.dwg 









Vendor/Equipment	Drawing(s)
CPSS – SureScan Full, PDF File	A-1 A-005 CPSS Full SureScan Sheet Template 2024 0801.pdf <a href="#">Click Here for PDF</a>
ASL – Leidos MacDonald Humfrey, CAD File	 A-1 A-006 LMH Sheet Template_2024 0801.
ASL – Leidos MacDonald Humfrey, PDF File	 A-1 A-006 LMH Sheet Template_2024 0801.
ASL-Scarabee, CAD File	 A-1 A-006 SC Sheet Template_2024 0801.c
ASL-Scarabee, PDF File	 A-1 A-006 SC Sheet Template_2024 0801.ç
ASL, Vanderlande, CAD File	 A-1 A-006 VI Sheet Template_2024 0801.c
ASL, Vanderlande, PDF File	 A-1 A-006 VI Sheet Template_2024 0801.ç

## A-2 E00 Series Sheets (Electrical Device Configurations for Equipment)





Please reference the general notes contained within the sheets.

Vendor/Equipment	Drawing(s)
AIT, Rohde & Schwarz AIT, CT, AVS/ETD/BLS, TDC/STSO, WTMD, IT/Server Cabinet, CAD File	  A-2 E-002_Electrical Details 0731.dwg
AIT, Rohde & Schwarz AIT, CT, AVS/ETD/BLS, TDC/STSO, WTMD, IT/Server Cabinet, PDF File	 A-2 E-002_Electrical Details 0731.pdf

Vendor/Equipment	Drawing(s)
AT + Legacy CT, CAD File	  A-2 E-003_AT2 and Legacy CPSS.dwg
AT + Legacy CT, PDF	 A-2 E-003_AT2 and Legacy CPSS.pdf

Vendor/Equipment	Drawing(s)
CPSS – Analogic Base, CAD file	  A-2 E-003 Analogic Base.dwg
CPSS – Analogic Base, PDF file	 A-2 E-003 Analogic Base.pdf
CPSS – Analogic Mid, CAD File	  A-2 E-003 Analogic Mid.dwg
CPSS – Analogic Mid, PDF File	 A-2 E-003 Analogic Mid.pdf
CPSS – Analogic Full, CAD File	  A-2 E-003 Analogic Full.dwg

Vendor/Equipment	Drawing(s)
CPSS – Analogic Full, PDF File	 A-2 E-003 Analogic Full.pdf
CPSS – Analogic Full eXpress, CAD File	A-2 E-003 Analogic Full Express.dwg 
CPSS – Analogic Full eXpress, PDF File	A-2 E-003 Analogic Full Express.pdf <a href="#">Click Here for PDF</a>
CPSS – Scarabee Mid, CAD File	  A-2 E-003 Scarabee Mid.dwg
CPSS – Scarabee Mid, PDF File	 A-2 E-003 Scarabee Mid.pdf
CPSS – Scarabee Full, CAD File	  A-2 E-003 Scarabee Full.dwg
CPSS – Scarabee Full, PDF File	 A-2 E-003 Scarabee Full.pdf
CPSS – Smiths Base, CAD File	  A-2 E-003 Smiths Base.dwg
CPSS – Smiths Base, PDF File	 A-2 E-003 Smiths Base.pdf
CPSS – Smiths Mid, CAD File	  A-2 E-003 Smiths Mid.dwg
CPSS – Smiths Mid, PDF File	 A-2 E-003 Smiths Mid.pdf
CPSS – Smiths Full, CAD File	  A-2 E-003 Smiths Full.dwg
CPSS – Smiths Full, PDF File	 A-2 E-003 Smiths Full.pdf

Vendor/Equipment	Drawing(s)
CPSS – SureScan Mid, CAD File	  A-2 E-003 SureScan Mid.dwg
CPSS – SureScan Mid, CAD File	 A-2 E-003 SureScan Mid.pdf
CPSS – SureScan Full, CAD File	A-2 E-003 SureScan Full.dwg 
CPSS – SureScan Full, PDF File	A-2 E-003 SureScan Full.pdf <a href="#">Click here for PDF</a>

Vendor	Drawing(s)
ASL – Leidos MH, CAD File	  A-2 E-003_ASL_LMH_slab c
ASL – Leidos MH, PDF File	 A-2 E-003_ASL_LMH_slab c
ASL – Scarabee, CAD File	  A-2 E-003_ASL_SC_slab on
ASL – Scarabee, PDF File	 A-2 E-003_ASL_SC_slab on
ASL – Vanderlande, CAD File	  A-2 E-003_ASL_VL_slab on
ASL – Vanderlande, PDF File	 A-2 E-003_ASL_VL_slab on