

Archive Instructions

How to Generate PDF Export from Golden Master Archive

Complete guide for batch exporting all 8 documents to PDF format

Archive Contents

The Golden Master Archive contains 8 documents:

1. Executive Summary (4 pages)
2. Executive White Paper (18 pages)
3. Final White Paper (22 pages)
4. Amendment Verification (19 pages)
5. Bill of Materials (11 pages)
6. Regulatory Alignment (20 pages)
7. Statement of Conformity (7 pages)
8. Phase 5: Adversarial Hardening (11 pages)

Total: ~112 pages, ~8-10 MB when exported to PDF

Recommended: Method 1 - Batch Script (Fastest)

★ Automated PDF Generation

Generate all 8 PDFs automatically with proper formatting and page numbering.

Prerequisites

Ensure Node.js and npm are installed, then install Puppeteer:

```
npm install puppeteer
```

Run the Batch Script

```
cd "/Users/DRA/Desktop/Echo Sound Lab/Echo Sound Lab v2.5"  
npx tsx scripts/batch-print-archive-to-pdf.ts
```

What Happens

The script will generate all PDFs sequentially with progress indicators:

- 📄 [1/8] Converting: Executive Summary
✓ Generated: 01_GOLDEN_MASTER_EXECUTIVE_SUMMARY.pdf (0.45 MB)

- 📄 [2/8] Converting: Executive White Paper
✓ Generated: 02_ACTION_AUTHORITY_v1.4.0_EXECUTIVE_WHITE_PAPER.pdf (1.23 MB)

- ... (continues for all 8 documents)

✓ Successfully Generated: 8/8
Total Archive Size: 8.94 MB

Output Location

All PDFs are saved in:

/Users/DRA/Desktop/Echo Sound Lab/Echo Sound Lab v2.5/archive/

Advantages

- ✓ Converts all 8 documents in one command
- ✓ Automatic page numbering and footers
- ✓ Consistent formatting across all PDFs
- ✓ Professional output quality
- ✓ Takes only 2-3 minutes total

Alternative: Method 2 - Manual Browser Print

🌐 Full Control via Browser

Print each document individually using your browser's print dialog.

For Each Document:

1. Open in Browser:

`file:///Users/DRA/Desktop/Echo%20Sound%20Lab/Echo%20Sound%20Lab%20v2.E`

2. Print to PDF:

- Press: `Cmd+P` (Mac) or `Ctrl+P` (Windows)
- Destination: "Save as PDF"
- Settings: Margins 0.5", Scale 100%
- ⚠️ **Enable "Background Graphics" to preserve dark theme**

3. Save in archive folder

4. Repeat for all 8 documents

Time Required

~8-10 minutes (8 documents × ~1 min each)

Advantages

- ✅ No extra software required
- ✅ Full visual control over output

- Can preview before saving

Critical Print Settings

PRESERVE DARK THEME

For dark theme preservation, enable these settings:

Setting	Value	Reason
Background Graphics	<input checked="" type="checkbox"/> ON	Preserves dark backgrounds
Margins	0.5"	Professional spacing
Scale	100%	True-to-size content
Page Size	A4	Standard document
Orientation	Portrait	Standard reading

 **WARNING:** Without "Background Graphics" enabled, dark backgrounds become white.

Method Comparison

Method	Time	Effort	Quality
Method 1: Batch Script	2-3 min	Minimal	★★★★★
Method 2: Manual Print	8-10 min	Moderate	★★★★★

Expected Output

FILE SIZES AND PAGE COUNTS

Document	Pages	PDF Size
01 - Executive Summary	4	~0.4 MB
02 - Executive White Paper	18	~1.2 MB
03 - Final White Paper	22	~1.5 MB
04 - Amendment Verification	19	~1.3 MB
05 - Bill of Materials	11	~0.9 MB
06 - Regulatory Alignment	20	~1.4 MB
07 - Statement of Conformity	7	~0.6 MB
08 - Phase 5: Adversarial Hardening	11	~0.8 MB
TOTAL	112	~8-10 MB

Troubleshooting

COMMON ISSUES

Issue: "Puppeteer not found"

```
npm install puppeteer
```

Issue: PDFs are blank or missing dark background

- Ensure "Background Graphics" is enabled in browser print settings
- Check that HTML files are in the archive folder
- Try Google Chrome (best CSS support)

Issue: File permissions denied

```
chmod +x scripts/batch-print-archive-to-pdf.ts
```

Issue: Some pages missing from output

- Close popup windows that might interfere
- Try Method 2 (browser print) instead

Archive Is Complete When

✓ COMPLETION CHECKLIST

- | ✓ All 8 PDFs generated
- | ✓ Each PDF has proper pagination
- | ✓ Dark theme preserved in output
- | ✓ All content included
- | ✓ File sizes reasonable (8-10 MB total)

Archive is ready to:

- | Print the complete archive
- Share with stakeholders
- | Submit to regulators
- Archive in document repository
- | Distribute to legal/compliance teams

👉 Golden Master Archive - PDF Export Instructions

Status: Comprehensive guide for PDF generation and archival