SSO PROJECT MANAGER
Technical Documentation

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TABLE OF CONTENTS

1. System Overview
2. Account Types & Access
3. Dashboard
4. Communications
5. Calendar
6. Marketing Campaigns
7. Project Boards
8. Professional Tools
9. Legal Document Generators
10. Dolby Professional Tools
11. SSO Motion Covers Tool
12. Data & Entities Reference

1. SYSTEM OVERVIEW

The SSO Project Manager is a private, invite-only enterprise platform for SSO Artists Entertainment.

Stack: React 18, Vite, TanStack Query v5, Tailwind CSS, shadcn/ui, Base44 BaaS.

Access requires account approval from an administrator.

External: ssoentertainment.sbs | label.ssoentertainment.sbs | gateway.ssoentertainment.sbs | contact.ssoentertainment.sbs

2. ACCOUNT TYPES & ACCESS

ROLES:

- admin: Full access including User Access Management, channel deletion, all professional tools.
- user (approved): Access to all pages except User Access Management.

APPROVAL GATE:

New users are redirected to /PendingApproval until an admin approves them.

The approval page polls every 10 seconds and auto-redirects on approval.

ADMIN WORKFLOW (Dashboard !' User Access Management):

- Pending tab: approve or reject registrations
- Approved tab: revoke access
- Reject permanently deletes the user record

SELF-SERVICE DELETION: Available via nav menu. Permanent.

3. DASHBOARD (/)

Shows top-level boards grid. Sorted by updated_date descending.

Search: filters by name and description.

Create Board: requires Name. Optional: Description, Color.

On creation: creates private channel, adds creator as owner/admin member.

Board deletion cascades: sub-boards, files, members, channels, messages.

Pull-to-refresh on mobile.

4. COMMUNICATIONS (/Communications)

Slack-like messaging with public and private channels.

Message polling: every 3 seconds on active channel.

Max messages loaded for unread counts: 5,000.

Unread count: messages newer than ChannelMember.last_read_at not sent by current user.

File attachments: uploaded to Base44 storage, URL stored on message.

Reply: stored as reply_to (message ID).

Channel deletion cascades: all messages, all members, then channel.

5. CALENDAR (/Calendar)

Aggregates CalendarEvents, Releases (release_date, pre_save_date), and Campaigns (start/end dates).

Event types: meeting | deadline | milestone | reminder | other

Colors: 8 hex presets. Stored as hex string.

6. MARKETING CAMPAIGNS (/Campaigns)

Tabs: Campaigns | Playlist Search | A&R Contacts | Releases | PR & Blogs

Campaign fields: campaign_name, platform, status, dates, budget, strategy, target_audience, reach metrics.

Platforms: instagram | tiktok | twitter | facebook | youtube | all_platforms

Statuses: planning | active | paused | completed

Playlist & A&R data: external CSVs, read-only.

7. PROJECT BOARDS (/Boards)

monday.com-style project management.

Column types: Text, Number, Date, Status, Priority, Dropdown, People, Checkbox, Tags, Budget.

Views: Table | Kanban | Calendar | Timeline

Items have RLS: users see only their own items (admins see all).

Files: uploaded to Base44 public storage. Stored as BoardFile entity.

Members: owner | editor | viewer roles.

8. PROFESSIONAL TOOLS (/Professional)

Tabs: Dolby Tools | Legal | Motion Covers

Requires approved account.

9. LEGAL DOCUMENT GENERATORS

Types: Royalty Split, Beat/Master License, Producer Agreement, Artist Agreement,

Work For Hire, Sample Clearance, Publishing Split Sheet.

PDF generated client-side with jsPDF v4. No server upload.

File naming: SSO_[Type]_[Party]_[Date].pdf

All docs include legal disclaimer and SSO signature block.

References: ASCAP (ascap.com), BMI (bmi.com), SESAC (sesac.com), SoundExchange (soundexchange.com)

10. DOLBY PROFESSIONAL TOOLS

Curated link library to Dolby customer portal.

Includes: Dolby Vision Pro Tools, Atmos Renderer, Album Assembler, Encoding Engine,

Media Encoder, Reference Player, DP5xx series hardware decoders, DARDT, and more.

Portal: customer.dolby.com | Support: professionalsupport.dolby.com

11. SSO MOTION COVERS TOOL

Generates Apple Music compliant motion artwork PowerShell + FFmpeg scripts.

No video processing in browser. Scripts run on Windows.

REQUIREMENTS:

- Windows + PowerShell 5.1+ or Core 7+
- FFmpeg in PATH
- MP4 source file
- Output folder must pre-exist

OUTPUT FORMATS:

- 1:1: 3840x3840 px, _1x1.mp4
- 3:4: 2048x2732 px, _3x4.mp4

FFMPEG FLAGS:

-vf "fps=30,scale=WxH:flags=lanczos,format=yuv420p"

-c:v libx264 -profile:v high -level 5.2

-pix_fmt yuv420p -b:v 60M -movflags +faststart -an

References: ffmpeg.org | developer.apple.com/documentation/apple_music_api | learn.microsoft.com/powershell

12. DATA & ENTITIES REFERENCE

Entities: Board, Item (RLS), BoardMember, BoardFile, Release, Campaign,

Channel, Message, ChannelMember, CalendarEvent, Playlist, ARContact, User (built-in)

All entities have built-in: id (UUID), created_date, updated_date, created_by (email)

Item RLS: users can only read/write own items unless admin.

User: admins can manage all users; regular users only their own.

END OF DOCUMENT