

Weekly Status Report

Week 30

The Dash — SBS’s Multi-Gated AI Orchestrator Platform, designed by Ledger Hub Networks exclusively for SBS

REPORTING PERIOD — MONDAY, JULY 20 — SATURDAY, JULY 26, 2026 · ISO WEEK 30 · PERIOD ENDING JULY 26, 2026

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AUTHOR	Frank Yglesias, Chief Executive Officer and Acting Project Manager, Ledger Hub Networks, LLC
PREPARED FOR	Nelson Santos, IT Director, Spanish Broadcasting System, Inc.
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Revision History

Version	Date	Author	Change Summary
V1.0	July 26, 2026	F. Yglesias	Initial issue — Week 30 weekly status report

List of Acronyms

Acronym	Expansion
AAC	Advanced Audio Coding
DNS	Domain Name System
DoR	Decision of Record
HTML	HyperText Markup Language
ISO	International Organization for Standardization
IT	Information Technology
SSH	Secure Shell
TLS	Transport Layer Security
UFW	Uncomplicated Firewall
VPC	Virtual Private Cloud

1. Reporting Period and Scope

This report covers Ledger Hub Networks, LLC (LHN) delivery activity for ISO Week 30, July 20–26, 2026, period ending July 26, 2026, under reference LHN-8002. Scope is limited to technical delivery for The Dash — SBS’s Multi-Gated AI Orchestrator Platform, designed by Ledger Hub Networks exclusively for SBS — including domain delegation, DigitalOcean foundation build-out, server infrastructure, platform security and UI development (sbs-dash), corporate wiki deployment, public Sol Vega splash site, and radio billing data analysis. All infrastructure references align to the target and as-built states documented in LH-SBS-INF-001.

2. Work Completed — Week 30

Seven workstreams were completed during the reporting period.

Item	Workstream	Detail
WR30-01	Transfer of SBSDASH Domain to SBS DigitalOcean Platform	The sbsdash.com domain DNS was delegated to SBS’s new DigitalOcean platform. DNS A records were created and verified so that every service resolves to its new droplet, each served over trusted HTTPS with auto-renewing Let’s Encrypt certificates. Verified endpoints: sbsdash.com (Dev), monitor.sbsdash.com, wiki.sbsdash.com, and solvega.sbsdash.com (Prod).

WR30-02 Development of DigitalOcean Foundation	Built SBS's complete base infrastructure on DigitalOcean: four droplets (production, dev, wiki, monitoring) with private VPC networking, hardened access (passwordless SSH, sbsRoot operator user, UFW firewalls), container runtime (Docker 29.1.3 + Compose 2.40.3), and centralized monitoring. First applications (BookStack wiki and Sol Vega splash site) delivered on top.
WR30-03 sbs-dash Platform Development (Kanban Transformation)	Development of the platform security login and project management board. Implemented animated "THE DASH" landing page, dark credentials-only login modal with SBS branding, and removed self-registration (invite-only). Added security and anti-indexing headers per LH-SBS-SEC-001. Developed system-admin role with user management and workspace creation UI restrictions.
WR30-04 Server Infrastructure Setup (sbs-3)	Established droplet inventory and access protocols. Installed ed25519 SSH keys and the sbsRoot user across dev, prod, and monitor. Configured centralized monitoring (monitor.sbsdash.com) running Prometheus + Grafana 13.1.0 behind nginx 1.28.3 with TLS. Deployed the "SBS Servers Overview" dashboard and office display playlist. Installed Docker + Compose on prod, dev, and monitor.
WR30-05 Corporate Wiki Deployment — wiki.sbsdash.com	Deployed BookStack v26.05.2 on the sbs-wiki droplet. Configured nginx 1.28.3 + PHP-FPM 8.5 + MariaDB 11.8 (localhost only). Implemented full hardening: UFW, key-only SSH, HTTP → HTTPS 301 redirect, HSTS, security headers, and blocked dotfiles. Validated end-to-end login and /status checks. Added a custom show/hide password toggle on login.
WR30-06 Sol Vega Public Site — solvega.sbsdash.com	Provisioned Caddy 2.11 on the production droplet with automatic HTTPS. Optimized and deployed the 8.3-minute intro video (transcoded to 720p H.264 CRF 23, 73 MB with AAC audio). Implemented responsive mobile design with autoplay and playback controls. Resolved an audio bug to ensure user-enabled sound functionality.
WR30-07 Radio Billing Data Analysis (sbs)	Profiled sbsdet.dat (639,844 rows, 18 columns, 85 MB CSV of radio ad spots and orders). Initialized SDD for the sbs project with a DuckDB testing runner and 6 SQL assertions for data validation. Generated DATA_PROFILE.md, profile.sql, and SDD_PLAN.md artifacts for the workspace root.

3. Planned Work — Week 31 (July 27 – August 2, 2026)

Three workstreams are planned for the next reporting period.

Item	Workstream	Detail
WR31-01	Wiki SMTP and Backup Strategy	Configure SMTP for invitation and password reset emails on wiki.sbsdash.com. Implement and test a comprehensive backup strategy (DB dump + uploads + .env files) for the BookStack deployment.
WR31-02	Infrastructure Remediation — Wiki VPC	Address the cross-region VPC limitation for the sbs-wiki droplet (currently in NYC1, unable to join the NYC2 VPC). Migrate the wiki droplet to NYC2 via snapshot restore to ensure private VPC traffic flows correctly without relying on public IP scraping.
WR31-03	Continued SBS-Dash Development	Continue feature development and hardening on the sbs-dash branch, including calendar view refinements, i18n catalog compilation, and further UI hardening per the SDD pipeline.

4. Decisions of Record

DoR-1 — Cross-Region VPC Limitation for Wiki. The sbs-wiki droplet was provisioned in NYC1, while the rest of the fleet (Prod, Dev, Monitor) is in NYC2. Because DigitalOcean VPCs do not cross regions, the wiki is currently scraped via public IP with firewall rules restricting access strictly to the monitor server. To align with the closed VPC architecture mandated by LH-SBS-INF-001, the wiki droplet will be rebuilt in NYC2 during Week 31.

DoR-2 — Sol Vega Video Audio Policy. The initial decision to deploy the Sol Vega intro video without audio was reversed. The muted HTML attribute is only required for autoplay policy compliance; with playback controls enabled, the user must be able to enable sound. The video was re-muxed with AAC audio and deployed successfully.

5. References

- **LH-SBS-INF-001** — Infrastructure Specification for The Dash (target and as-built states; verification gates)
- **LH-SBS-SEC-001 V1.0** — Security and Access Control Specification (36 controls, 8 families)
- **LH-SBS-KO-001 V3.2** — Technical Install and Discovery Runbook
- **LH-SBS-INST-001 Part A** — Platform Install Runbook

6. Change Register

Entry	Date	Change
CR-01	July 26, 2026	Initial issue — no prior edits.