

AGA Tech Dept

Updates & Activities

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Alana Fossa

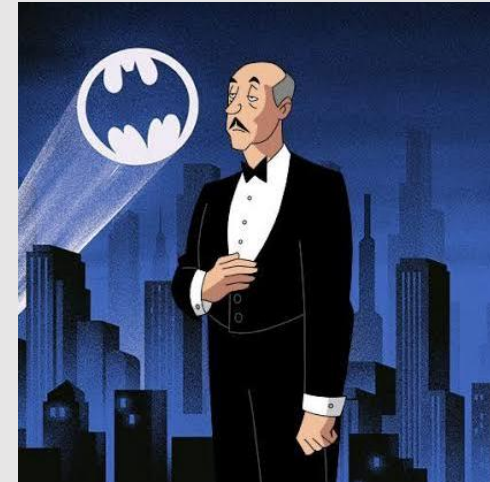
Technical Director, AGA

October 7, 2026

TechForum 2026 - Grand Hyatt Denver



AGA Tech Department



Training

Alana Fossa, Christine Kleen, Brandon Jones

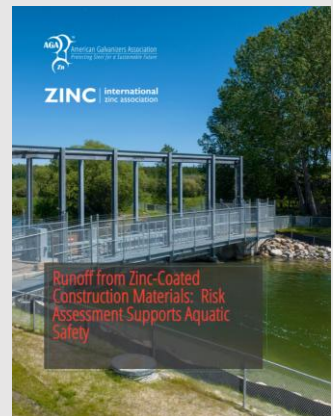
- Regional Master Galvanizer
 - Oct 29-30, 2026 - Charlotte, NC
 - Signup on AGA website
 - 2027 - South/Central (Houston or Dallas, TX)
- Virtual Master Galvanizer
- Inspection Course Updates





New Resources

- Hybrid Zinc Coatings
- HDG Bridge Design
- Zn Runoff from zinc-coated construction materials
- Process Survey Report
- 2025 Workplace Safety Metrics Survey Report





New Resources

- New EHS Home Page
- Safety Training Templates: Hand Injuries, Line of Fire, and Overexertion
- Hands Out and PPE Poster Templates/Resources
- Coming Soon: White papers translated into Spanish:
 - Pickle Bath Maintenance Calculations
 - Masking Materials for Preventing Hot-Dip Galvanizing
 - Kettle Failure Mitigation and Remediation

New KnowledgeBase

- Determining & Overcoming the Size Limitations of Hot-Dip Galvanizing
- HDG Industry Specification Updates
- Intermittent Welding Prior to HDG
- Optimizing Turnaround Times
- Dissimilar Metals in Concrete
- Galvanizing Castings
- Costs for Bridge Washing Maintenance
- Optimizing Turnaround Time for Steel to be Galvanized
- TRI Reporting – Consolidated Resources
- Intermittent Welding Prior to HDG
- HDG Coating Repairs when Specifying Duplex Systems (A780)
- Isolated Instances of the Kirkendall Effect
- Zebra Striping/Fish Bone Effect
- **AI Search Optimization**

Research & 3rd Party Research Support

- Slip of Metallic Coatings (RCSC / AGA / AISC)
 - Research Complete 2026
 - Final Report under Review
- Zinc Runoff Research: Trafton Creek Project (AGA / Barr Environmental)
 - **Phase 1: Immediate Response / Position Statement** (Completed 2024)
 - **Phase 2: Sample Collection & Analysis** (Completed 2025)
 - **Phase 3 Final Report** (Completed 2026)
 - Cover letter/marketing under development
- Galvanized Rebar: A767 & A1094 (Connecticut DOT / U. Conn)
 - Research Complete 2026 / Final report under review by DOT
- Surface Preparation of Metallizing repairs for HDG (AGA)

TSC Mission

- Acts as the technical advisory resource for the association
- Receives requests for technical support from the Board of Directors, the Market Development Committee, and the AGA technical department
- Responsibility for technical matters including, but not limited to: health and safety, environmental, processing, coating performance, and TechForum





TSC Subcommittee Strategic Goals

Environmental Subcommittee

- Waste Characterization & Minimization

Health & Safety Subcommittee

- Caught Between/Compressed Injuries

TechForum Subcommittee

- Engage new generation & vendors
- Promote/Foster new generation

Coating Performance Subcommittee

- Surface Prep for Metallizing Repairs

Processing Subcommittee

- Venting/Drainage - Visual Examples & Guidance

Inspection Task Force (2026-2028)

Upcoming Meetings

- Oct 15-27: Subcommittee Meetings (Virtual)
- Nov 10: Technical Services Committee (Hybrid)

info, agendas, and meeting links:

[GALVANIZEIT.ORG/TSC](https://galvanizeit.org/tsc)

Guests Welcome!

AGA Strat Plan:

Elevate Credibility & Visibility of AGA Inspection Course

Learning Management System (LMS) Needs for inspection course:

- Better user experience
 - Interactive/engaging content
 - Learning reinforcement tools
 - Ability to add Modules
- Automation
 - Facilitate exponential growth
- Analytics to measure ROI, engagement, and inform areas for improvement
- Monetization opportunities
- Collaborating with AMPP

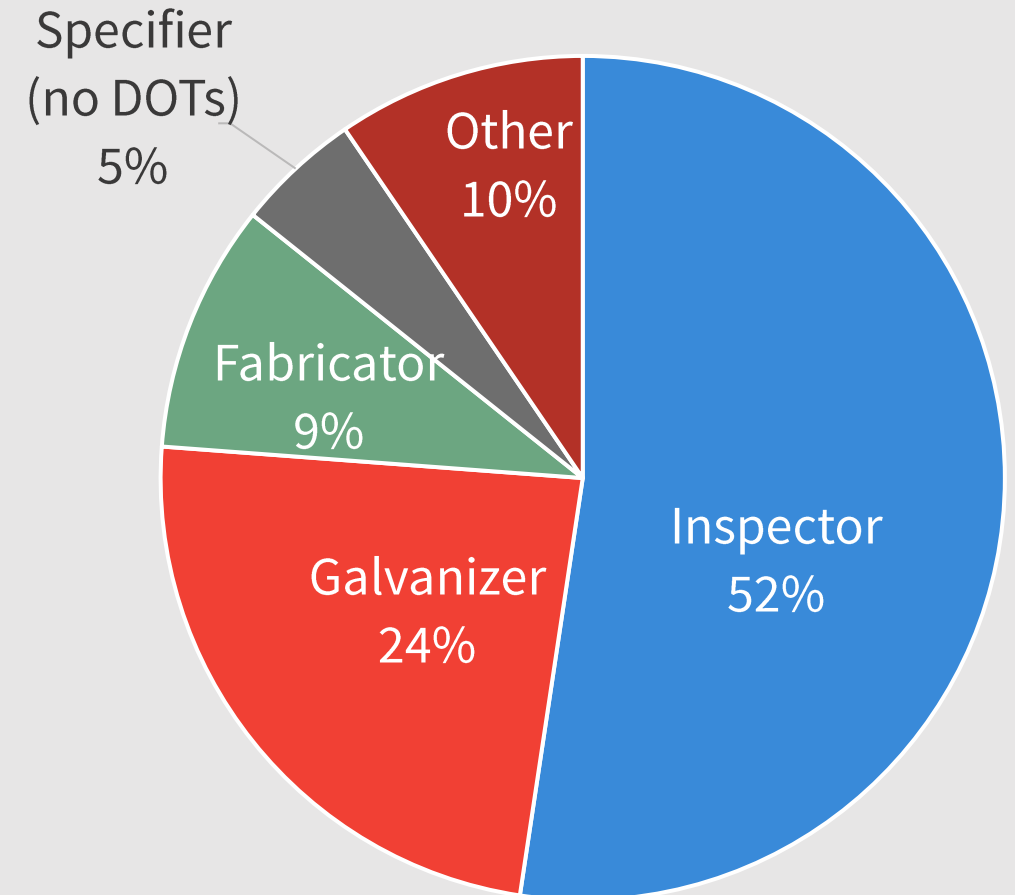


Year	Attendees
2018	217
2019	273
2020	568
2021	473
2022	623
2023	677
2024	679
2025	987

Current Feedback: Attendee Survey Form

- Course meeting/exceeding expectations & would recommend to colleague
- What would make course more engaging?
 - 70% more real-world examples
 - 60% interactive questions/scenarios/visuals
- Content you would like to see expanded?
 - 52% Examples interpreting spec language
 - 52% Examples of defects (causes, significance, acceptance)
 - 47% Advanced scenarios / judgements

Makeup of Respondents



Key Improvement Areas

Improvement Area	Strategy Identified	Purpose or Stakeholder Interest
More Inspector-centric	Detailed examples and judgement calls. Gather direct feedback from KTA-Tator.	- Address feedback regarding perceived quality issues - Address feedback to cover advanced topics
More but also less content	Course Modules: Core, Level 2, Fasteners, Duplex, and Market-specific issues.	- AGA: Increase credibility - AGA: revenue opportunity - Attendee: expand without overwhelming
Interactive Content & Learning Reinforcement	Forj: Management System; Articulate 360: Content Builder	Address feedback regarding content modernization
Accessibility	Member vs. public pricing and instant course/cert access. Add HDG context but remove or clarify industry jargon.	- Members: maintain access to core content for training & customer issues - Attendees with limited HDG knowledge: clarify and focus content for them

Example: Intended Use

- Existing examples from AGA:
 - Rough coatings on handrail
 - Raised welds on handrail
 - Runs & dross on bolted surfaces
- More examples

Intended use needs to be properly communicated to galvanizer

