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Faith Group

INTEGRITY
DIGNITY
QUALITY
ENDURING
PIONEERING

IN THIS ISSUE:

TAKE IT ON FAITH: IT'S ALL NEW

Faith Varwig analyzes what she's seen at the new terminals & concourses she's visited post-pandemic.

FOCUS: EDUCATION

The new Saint Louis University Champions Center will serve 400+ students across 18 sports, spirit squads, student manager/workers, and coaches & coach staff.

TECH UPDATE: CYBERSECURITY INCIDENT RESPONSE PLAN

Learn about the new security directive requirements for transportation owners and operators and how to implement a Cybersecurity Incident Response Plan (CSIRP).



Saint Louis University

Champions Center will Further Develop the Distinguished Athletic Program



TAKE IT ON FAITH

IT'S ALL NEW-ISH

This year has been all about “getting back out there!” We’ve all been back to the grind of traveling to conferences, client meetings, and being on-site for project field work. Personally, I’ve flown more than 50 times this year to locations across the country, from West to East coast, with stops in the Midwest, sunny Florida, and the cold North, including a trip to Paris for the Passenger Terminal Expo. It’s so exciting to see the many new or modernized terminals and concourses that were completed during the Pandemic. The aviation industry is clearly setting a new standard for style and design that is a welcome change to the old and worn 20th century facilities. The buildings were gleaming with shiny new surfaces, sleek bathrooms, comfy seats, ample lounge spaces, great regional food & beverage offerings, cool club rooms with outside seating, and added amenities, but what I was most amazed about was that many of these brand new 21st century facilities didn’t have 21st century technologies. As an example, I’ve witnessed paging systems that cannot be heard, flight information displays that were undersized or didn’t work properly, poor Wi-Fi & cell phone infrastructure that didn’t have the capacity for the number of passengers or didn’t cover landside and airside areas, information signage that failed to provide all the available options, and cameras that were clearly not placed for proper coverage, just to name a few. Design must provide a proper balance between all building elements in order to achieve the optimal outcome and provide the best experience for customers and staff. Technology is at the heart of how all buildings operate in the 21st century, and the design must keep up with the ever-changing demand. If the recent meltdown with Southwest Airlines has taught us anything, it’s that money spent on technology is a key investment in ensuring a successful future.

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IN THE NEWS: WINS

- Public Address System Assessment & Preliminary Design and PNE Admin Building LEED Advisory & Consulting for Philadelphia Airport
- Common Use Phase II RFP Development and Data Management Design & Consulting for San Antonio Airport
- WCDAS Enterprise Building Integrator Replacement Study and Design for National Oceanic and Atmospheric Administration (NOAA) as a subconsultant to Citrine
- Concourse D Widening for Hartsfield Jackson Atlanta Airport as a subconsultant to Corgan
- Shared Use Technology Architectural/Electrical Design for Metropolitan Knoxville Airport Authority
- Howard Office Building Trustee Office Security Assessment for Metropolitan Government of Nashville & Davidson County
- Terminal Expansion Phase II Concourse E Expansion for Southwest Florida Airport as a subconsultant to Atkins
- Concourse D Extension for Nashville Airport as a subconsultant to Fentress
- New Green Field High School Complex for Hillsborough County High School as a subconsultant to Voltair
- Commissioning Services for JFK Airport as a subconsultant to ADB Safegate
- Terminal Expansion for Punta Gorda Airport as a subconsultant to Voltair
- Airport Terminal Planning for San Antonio Airport as a subconsultant to Corgan
- Domestic Hot Water Study for Pinckneyville Hospital as a subconsultant to Horner & Shifrin
- Common Use RFP Development for San Jose Airport

FOCUS: EDUCATION

SAINT LOUIS UNIVERSITY O'LAUGHLIN FAMILY CHAMPIONS CENTER ADDITION

In Spring 2022, Saint Louis University (SLU) began the construction of a new \$20 million, 3-story, 25,000 sf. addition to the existing Chaifetz Area, which is SLU's indoor basketball (NCAA) stadium and concert venue.

The SLU O'Laughlin Family Champions Center will serve as a hub for athletes to take steps for success in both their athletic and academic performances. It will deliver programming related to academic advising, spiritual development, sports performance, nutrition, wellness, and sports psychology. Beyond athletics, the center seeks to capitalize on the most innovative technology and research to better serve the Billiken athletes and to help

deliver on the department's strategic objectives to educate, compete, and build community. It will also offer athletes a community space where they can join across teams to create a stronger sense of unity within the department.

Faith Group is working closely with Hastings + Chivetta, SLU, and the Design-Build Construction team to provide engineering consulting and commissioning services for mechanical, electrical, plumbing, and fire protection systems on the project. Additionally, the project is seeking LEED Certification, and the Faith Group team has been supporting that process.

The development has been



made possible by 100% private funding, with the primary donation coming from the CEO of Lodging Hospitality Management, Bob O'Loughlin, along with donations from numerous other individuals. The project is anticipated to be completed in Fall of 2023.



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FOCUS: AVIATION

ACRP HUMAN FACTORS IN AIRPORT AIRSIDE OPERATIONS

According to the International Civil Aviation Organization (ICAO) and the Federal Aviation Administration (FAA) the definition of "runway incursion" is any occurrence at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the protected area of a surface designated for the landing and take-off of aircraft. All data and reports for domestic runway incursions are compiled by the FAA, and international by the ICAO. Domestic airports are required to submit information and report incidents of Vehicle/Pedestrian Deviations (V/PDs) to the FAA. These situations can occur in all areas of the airfield (both movement and non-movement areas).

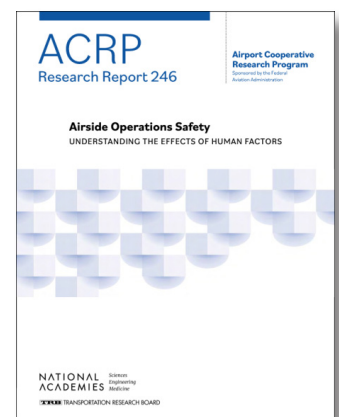
Since the human element is both the greatest asset and weakest link in airside operations safety, more

information was needed to investigate the role that human factors play in contributing to these incidents, assess the human factor risks, and derive mitigation strategies to reduce their occurrence. Current mitigation strategies disproportionately rely on an individual's senses of sight (i.e. markings, signage, and lighting) and hearing (radios), as well as technologies and processes. The Airport Cooperative Research Program (ACRP) recognized that further research was needed to identify best practices on how to improve airside operations safety and have a better understanding of human factors and improve individual situational awareness within the airside environment.

In partnership with prime Futron Aviation, Faith Group was selected by ACRP to develop the Guidebook on

Human Factors in Airport Airside Operations. The objective of this project was to provide airport specific research related to the impacts of human factors on airport operations. The Report provides a look at how to anticipate, and to some degree mitigate, the negative impacts of human factors on airside operations. Human factors such as fatigue and distractions are part of our everyday lives, but when it comes to airports and their operations around aircraft, there exists an elevated risk level given the types of assets and operations being conducted. The outcomes and guidance produced a systematic way to look at human factors as contributing factors to safety and operational risk.

A copy of the complimentary report can be downloaded [HERE](#).



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HOLIDAY GIVING

Since 2017, our employees have helped provide for the less fortunate in our community during the holiday season, and this year was no different. For the fifth year in a row, Faith Group continued to participate in our Holiday of Giving, with staff contributing a total of \$3,202, and Faith Group matching the amount, we were able to share a total of \$6,404.

Although we wish to be able to contribute to all of those in need, we were able to help six agencies this year. These agencies included:

- **Lutheran Family and Children Services of Missouri** provides gifts to families in need. Faith Group was excited to be able to spend \$1,657 to supply 78 gifts to children in foster care this Christmas season.
- **Good Samaritan Ministries** received \$1,100. Good Samaritan Ministries is a 501(c) non-profit serving the local St. Louis community through education, helping lives, and building futures.
- **Operation Food Search** was given \$1,176. Operation Food Search is an organization that helps distribute food and other necessities, for those in need, in our community. It is their mission for all St. Louisians
- **Women's Safe House** provides confidential and no cost services for women and families in immediate danger and fleeing domestic violence. Faith Group contributed \$1,100 to help support the ministry their group provides.
- **Community Interfaith Food Pantry** received \$550. The community Interfaith Food Pantry is a service organization that originated when eleven local churches pooled their resources to increase the



effectiveness of improving lives in the community. The pantry provides food to families experiencing difficulties with meeting demands for daily living. They serve the Belleville and Swansea, Illinois neighborhoods.

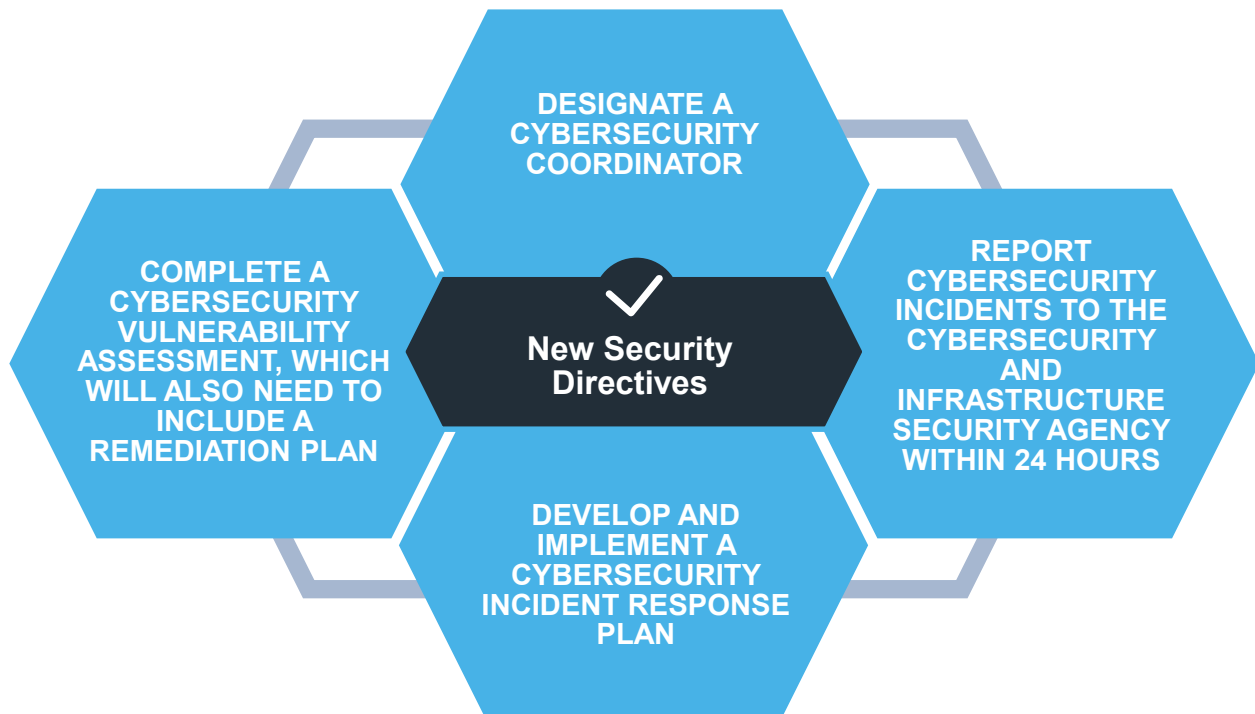
- **Jefferson County Rescue Mission** was given \$825. The JC Rescue Mission is a food pantry that serves a multitude of families year-round, operating 5 days a week. Every August they also host a school supply drive and provide needed supplies to area school children.



SAME CONFERENCE

In November, Faith Group attended the Society of American Military Engineers (SAME) Federal Small Business Conference in Nashville, TN. Faith Group kicked off the week with a hospitality event attended by more than 360 conference goers! The event was hosted by Faith Group, Win Engineering, Citrine, Hurst-Rosche, FGM Architects, and Benham, A Haskell Co. The rest of the week was full of a packed exhibit hall and numerous education, networking, and business development opportunities for the 4,600+ attendees.

TECH UPDATE: CYBERSECURITY INCIDENT RESPONSE PLAN (CSIRP)



Many airports and airline operators are being asked to comply with the Transportation Security Administration's ("TSA") newest National Amendment (NAs) to combat new cybersecurity threats to the Airline, Transit, and Transportation industry. The newly released TSA NA impact Airlines, X, I, and II airports. The new NAs required by owners and operators to implement are:

1. Designate a cybersecurity coordinator who is required to be available to TSA and the Department of Homeland Security's Cybersecurity and Infrastructure Security Agency (CISA) at all times
2. Report cybersecurity incidents to the Cybersecurity and Infrastructure Security Agency ("CISA") within 24 hours.
3. Develop and implement a cybersecurity incident response plan
4. Complete a cybersecurity vulnerability assessment, to include a remediation plan that identifies known gaps with remediation actions to be provided.

On December 31, 2021, Aviation was required to comply with the new NAs and were given 90 to 180 days to meet self-assessment, conducting situational exercise, and creation of a Cybersecurity Incident Response Plan (CSIRP). Initially, the NAs were

only targeted to higher-risk freight railroads, passenger rail, and rail transit, however, TSA updated its guidance recommending that Airport & Airline owners and operators voluntarily implement those same measures. The updated guidance also impacts TSA's airport security programs (ASP) by requiring airports & airline operators to have completed the first two directives by October 29th, 2022, along with a remediation plan to correct findings. TSA expects to expand the remaining two requirements to the aviation sector and establish a rule-making process for certain surface transportation entities. The creation of a CSIRP and submission of the remediation plan has a deadline date of January 27th, 2023.

Cybersecurity Incident Response Plans

While the framework an organization chooses to follow will ultimately determine the exact requirements, some of the basic foundational requirements for a CSIRP include addressing:

- Preparation
- Identification
- Containment
- Eradication & Recovery
- Lessons Learned

The "WHO" and "WHAT" are the most important when considering the actual work as defined in the CSIRP, followed by a solid mission statement that is clear and concise with

stakeholder approval and support, which also extends beyond just the IT department. Developing or updating information security processes is key to a successful plan. Required actions should be specified and roles & responsibilities need to be clearly defined. In the event of an incident, the cybersecurity reporting elements should provide specific information including but not limited to:

- Details about the compromise
- Description of how the breach occurred
- Which assets were compromised
- How compromised information was used (if available)
- Remediation actions completed to date
- Who to contact for more information

A successful CSIRP can only be achieved by ensuring everyone in the plan has a clear understanding of the roles & responsibilities, knowledge of the internal systems, and an understanding of how to execute the procedures. It is one thing to put to paper what you should do, based on the necessary technical or operational capabilities to execute, and another thing to build a plan based on the actual abilities of the organization.

Although there are currently no hard requirements by the TSA or CISA for the continuation or resubmission of the

TECH UPDATE CONT'D

assessment, remediation plan, or update of the CSIRP, it is recommended to have a document management program that is inclusive of the CSIRP, with a review being conducted on a periodic basis. Ideally, CSIRPs should be reviewed/renewed after every incident, and all lessons learned should be incorporated into the plan. The remediation plan should be revised if any additional self-assessments are conducted, or if the existing assessment has changed based on remediation actions and/or TSA request to provide a new assessment.

If an airport's ASP is outdated and needs an update, this would most likely necessitate the requirement to conduct a self-assessment, remediation plan, and CSIRP update as mandated by the TSA-NA-22-01.

How Faith Group Can Help

To help our clients comply with these new NAs, Faith Group first starts with a comprehensive understanding of the TSA requirements and works with the airport stakeholders to meet these objectives. We can custom-build a CSIRP that fits the organizational, operational, and situational needs that allows an organization to respond to an incident should it occur.

As Faith Group develops a CSIRP, we address the following functional areas & tasks:

- Initial assessment (conducted, or archived)
- Stakeholder Engagement
- Review of the self-assessment findings and develop remediation plan
- Develop the CSIRP
- Establish Roles and Responsibilities
- Identify the Team
- Conducting Situational Exercise

While this is a simplified breakdown of what Faith Group can do, there are several other steps and efforts needed to complete a CSIRP so that it is worthwhile to an organization. If you are an Airport or Transit client that needs assistance complying with these new National Announcements (NA), reach out to Faith Group's Cybersecurity Team by contacting Director of Technology, Rick Adams.



Rick Adams
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PRESENTING SAEFIX, A FAITH GROUP COMPANY

Faith Group is excited to announce the creation of Saefix LLC, a Faith Group LLC company. Born out of necessity, Saefix was initially created to develop and expand advanced video analytic capabilities that were needed during the pandemic to assist clients with infectious disease risk management.



Since then, Saefix has been assisting clients with maximizing their capabilities surrounding data collection and dissemination focused on video surveillance, analytics, internet of things, machine learning, and artificial intelligence.

The firm is set up as a women-owned business to partner with integrators, general contractors, and end clients to deliver specialized services and support. "Saefix will allow Faith Group to expand its overall capabilities and meet client requests for solution delivery & solution development centered around emerging technologies and more advanced use cases for existing technologies," explains Faith Varwig, Managing Principal of Faith Group.

WALK A MILE IN HER SHOES

Every October, in honor of Domestic Violence Awareness Month and YWCA USA's Week Without Violence, YWCA Metro St. Louis hosts Walk a Mile in Her Shoes, which is a lighthearted event to raise awareness about profoundly serious issues – domestic, sexual, and gender violence. Faith Group is proud to participate in the YWCA Walk a Mile in Her Shoes (WAM) for the 8th consecutive year.

With this year's event held virtually, each participating team could plan their own WAM events during the week of October 17th. Participants were encouraged to walk a mile in women's shoes to raise awareness and funds for the YWCA's efforts to help victims of domestic, sexual, and gender violence. WAM is one of YWCA's largest fundraisers supporting their crisis intervention services, as well as the variety of other services and educational programs for victims and individuals impacted by domestic violence and sexual assault.

Faith Group held their event on October 20th at the St. Louis HQ office, with nearly 25 participants in attendance. Participants were encouraged to wear festive shoes in celebration of the event. Overall, Faith Group's WAM celebration was a tremendous success, raising more than \$450!

