



To SAI Subcommittee **Date** July 10, 2019

From P. J. Prisaznuk
AEEC Executive Secretary
pjp@sae-itc.org
tel: 1-410-212-0913 **Reference** 19-999/SMA-136 lth

Subject **Meeting Announcement**
Systems Architecture and Interfaces (SAI) Subcommittee

Chairmen **Rich Stillwell, United Airlines**
Reinhard Andreae, Lufthansa

When **October 8-9, 2019**
Tuesday and Wednesday from 0900 to 1700 each day
Note: The AEEC Mid-Term Session will be held October 10-11, 2019 at the same location. Refer to 19-074/AXX-223 for details.

Where **Boeing Training Center**
25-01 Building
1301 SW 16th St.
Renton, Washington 98057
Point of Contact
Jessie Turner
jessie.turner@boeing.com
tel: 1-425-280-3130 (mobile)

Security The Boeing Training Center is a secure facility. For Boeing visitor badging and Wi-Fi access, please provide the following information to Jessie Turner before **September 20, 2019**:

- Name
- Company
- Country of citizenship
- Email address
- Telephone number

Please arrive by 0830 for badging

- US citizens: Driver's license or US passport required at lobby check-in
- Non-US citizens: Passport required at lobby check-in

Hotels There is a nice selection of hotels near the Boeing Training Center to meet your budget and comfort needs. A list of hotels is provided in Attachment 1 to this meeting announcement.

Instructions Please notify ARINC Industry Activities of your intention to attend by registering online at: <https://www.aviation-ia.com/events>.

The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk. The agenda will be finalized one week prior to the meeting.

Meeting Objectives

SAI Meeting in Renton

The Systems Architecture and Interfaces (SAI) Subcommittee will prepare avionics system-level guidance for new airplanes and major retrofit programs. It will discuss airspace modernization programs and the desired Communication, Navigation, and Surveillance (CNS) equipment.

New Radio Architectures for CNS/ATM

The SAI Subcommittee will review inputs to **ARINC Project Paper 678: Communication, Navigation and Surveillance (CNS) Radio System Architectures**. Topics include the following:

- Classification of radio architectures, including new distributed radio architecture options
- Identification of the best architecture options for each Communication, Navigation, and Surveillance radio
- Discussion of radio form and fit options
- Requirements for the digital interfaces to RF equipment
- Avionics interfaces to the radio systems for both voice and data
- Characterization of radio computing platforms
- Potential opportunities for common services for the radios
- Data security requirements, and approaches for isolation of the aircraft systems from attacks through RF interfaces
- Safety and certification considerations
- Transition approaches for the deployment of new products, including current aircraft programs.

NextGen and SESAR Equipment and Architectures

The SAI Subcommittee will continue its discussion of avionics equipment and data comm services necessary for NextGen and SESAR programs

ARINC Report 660B: CNS/ATM Avionics Architectures Supporting NextGen/SESAR Concepts refers to several ARINC Standards that may be impacted by emerging airspace requirements. Future work will be discussed.

APIMs

Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several draft APIMs leading to the development of new ARINC Standards. Proponents are invited to present their APIM in person.

In preparation for the AEEC Mid-Term Session to be held October 10-11, the SAI Subcommittee will discuss the following:

- Traffic Surveillance (ADS-B and Mode S Transponder)
- Weather Radar Architecture
- Cabin and Galley Equipment
- Networks and Security
- Software Data Loading
- Other APIM proposals

Travel Information

The Boeing Training Center in Renton is located just 5 miles from the Seattle Tacoma International Airport (SEA). An area map of the meeting location is provided as Attachment 1 to this announcement.

Rental car is recommended. Be advised that parking at the Boeing Training Center can fill early.

For those who prefer not to have a rental car, several hotels in the area offer shuttle bus transportation to and from the airport. Taxi/ride sharing is another possibility.

Attachment 1



AEEC SAI/Mid-Term Session
Seattle (Renton)
October 8-11, 2019

Boeing Contact:
Jessie Turner
jessie.turner@boeing.com
Mobile: (425) 280-3130

AEEC SAI & Mid-Term Session – Seattle (Renton)

RSVP to Boeing – Jessie Turner

jessie.turner@boeing.com

For Boeing visitor badging and WIFI access, please provide the following information to Jessie Turner by Sept. 20th:

Name

Company

Country of Citizenship

Email Address

Phone No.

US citizens: Drivers license or US passport required at lobby check-in

Non-US citizens: Passport required at lobby check-in

Questions? Jessie Turner

jessie.turner@boeing.com

Mobile: (425) 280-3130

25-01 Driving Directions Meeting Location: Boeing 25-01 Bldg (near SEA airport)

From Seattle

- Go South on I-5 and take the I-405 North exit
- Go North on I-405 and take Exit 1 (181 South)
- Turn left on West Valley Road, turn right on Grady Way
- Turn right at Oakesdale Avenue and continue to SW 16th
- Event and meeting parking is West of the building and the main parking lot

From SeaTac Airport

- Follow the green and white "To Freeway" signs to HWY 518
- Go North on I-405 and take Exit 1 (181 South)
- Turn left on West Valley Road, turn right on Grady Way
- Turn right at Oakesdale Avenue and continue to SW 16th
- Event and meeting parking is West of the building and the main parking lot

From Renton/Bellevue

- Go South on I-405 and take Exit 1 (181 South)
- Turn Right on West Valley Road, turn left on Grady Way
- Turn right at Oakesdale Avenue and continue to SW 16th
- Event and meeting parking is West of the building and the main parking lot

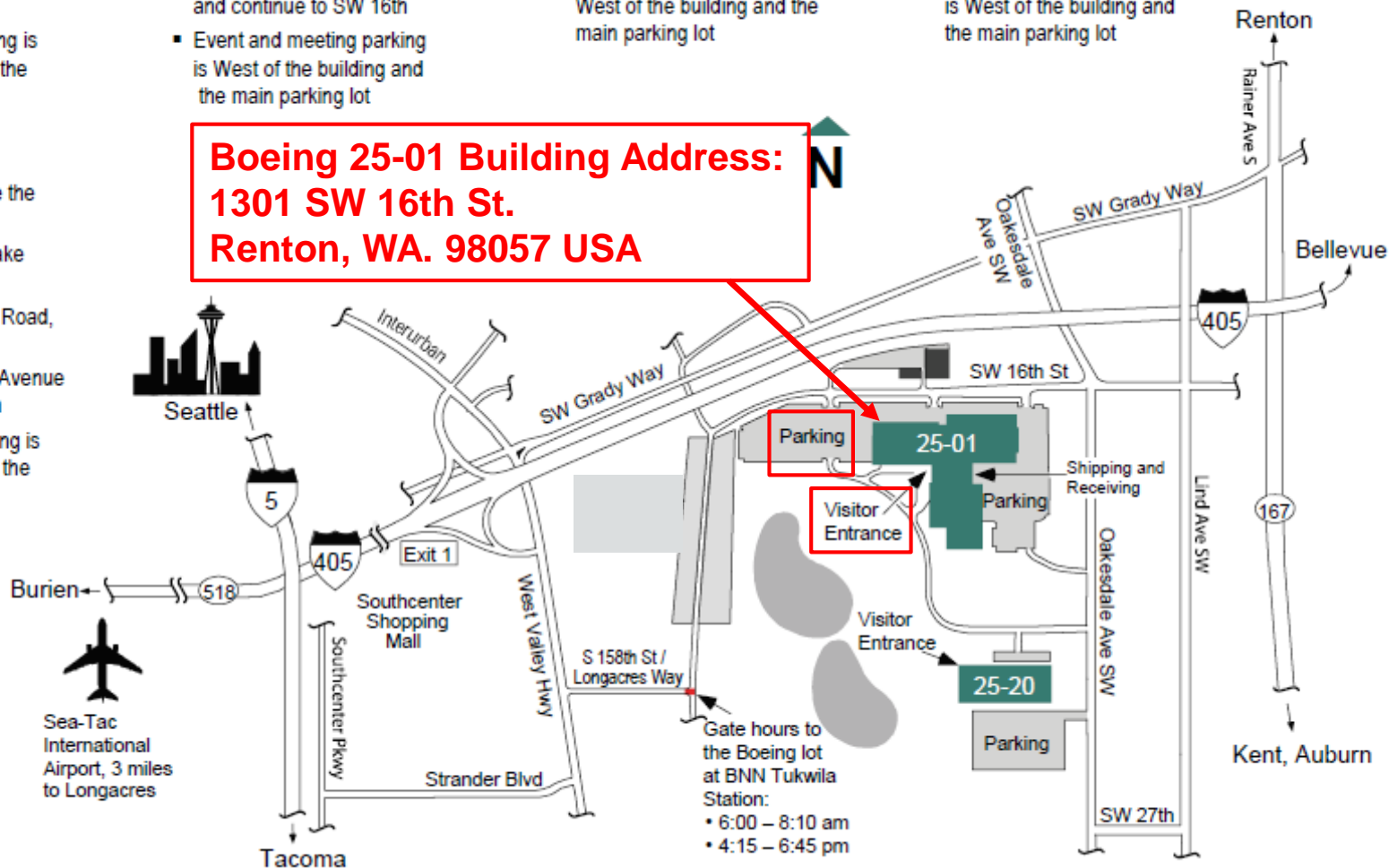
From Kent/Auburn

- Go North on HWY 167 until you get to SW Grady Way
- Turn left and continue on until Oakesdale Avenue SW
- Turn left and continue to SW 16th Street
- Event and meeting parking is West of the building and the main parking lot

From Tacoma

- Go North on I-5 and take the I-405 North exit
- Go North on I-405 and take Exit 1 (181 South)
- Turn left on West Valley Road, turn right on Grady Way
- Turn right at Oakesdale Avenue and continue to SW 16th
- Event and meeting parking is West of the building and the main parking lot

**Boeing 25-01 Building Address:
1301 SW 16th St.
Renton, WA. 98057 USA**



Meeting Location – 25-01 Building, Classroom 35

Tuesday October 8th – Friday October 11th (Noon)



A	21A4	Dreamliner Room
B	21D8	Program Room
C	21D9	Boeing Learning Center
D	22L18	Classroom 35
E	23N14	CBT Classroom
F	23R9	ETOPS Room
G	23U20	Classroom 14 (BEN Room)
H	22U21	Ablution and prayer rooms

Guest Services

Escalator

- Elevator
- Restroom
- Fire extinguisher
- Break room
- Recycle room
- Mail room
- Phone
- Defibrillator
- First aid kit

2nd floor

AEEC SAI & Mid-Term Session – Seattle (Renton)

Hotels

HOTELS IN RENTON/SEA AIRPORT AREA
NEAR BOEING 25-01 FACILITY
(5-10 min drive)

HOTELS IN DOWNTOWN SEATTLE and
BELLEVUE
(30-40 min drive)

HOTELS IN RENTON/SEATTLE AIRPORT AREA	
HILTON CHAIN	MARRIOTT CHAIN
Hampton Inn 7200 South 156 th St. Tukwila, WA 98188 425-228-5800	Courtyard Marriott – Sea-Tac 16038 West Valley Hwy Tukwila, WA. 98188 425-255-0300
Embassy Suites 15920 West Valley Hwy Seattle, WA. 98188 425-227-8844	Courtyard Seattle Southcenter 400 Andover Park West Tukwila, WA. 98188 206-575-2500
Hilton Garden Inn 1801 East Valley Road Renton, WA. 98057 425-430-1414	Residence Inn - Tukwila 16201 West Valley Hwy Tukwila, WA. 98188 425-226-5500
Doubletree Suites 16500 Southcenter Parkway Seattle, WA. 98188 206-575-8220	Springhill Suites – South Renton 200 SW 19 th St. Renton, WA. 98057 425-226-4100
Homewood Suites 6955 Fort Dent Way Tukwila, WA. 98188 206-433-8000	TownePlace Suites – South Renton 300 SW 19 th St. Renton, WA. 98057 425 917-2000
Hilton Seattle Airport 17620 International Blvd. Seattle, WA. 98188 206-244-4800	TownePlace Suites – Seattle Southcenter 18123 72nd Avenue South Kent, WA. 98032 253-796-6000
Doubletree Seattle Airport 18740 International Blvd. Seattle, WA. 98188 206-246-8600	Seattle Airport Marriott 3201 South 176th St. Seattle, WA. 98188 206-241-2000
STARWOOD CHAIN	HYATT CHAIN
Aloft Seattle – SeaTac Airport 19030 28th Avenue South SeaTac, WA. 206-241-0260	Hyatt Regency Lake Washington 1053 Lake Washington Blvd N Renton, WA. 98056 425-203-1234 (15-20 min drive)
Four Points by Sheraton 22406 Pacific Highway South Des Moines, WA. 253-642-0100	

HOTELS IN DOWNTOWN SEATTLE and BELLEVUE	
HILTON CHAIN	STARWOOD CHAIN
Hilton Seattle 1301 6th Avenue, Seattle, WA, 98101-2304 206-624-0500	Sheraton Seattle 1400 6th Avenue, Seattle, Washington 98101 206-621-9000
Hilton Bellevue 300 112th Avenue SE, Bellevue, WA, 98004 425-455-1300	W Seattle 1112 4th Avenue, Seattle, WA.98101 206-264-6000
Embassy Suites – Bellevue 3225 158th Avenue SE, Bellevue, WA, 98008 425-644-2500	Westin Seattle 1900 5th Avenue, Seattle, WA. 98101 206-728-1000
Hampton Inn Seattle 700 5th Avenue North, Seattle, WA, 98109 206-282-7700	Westin Bellevue 600 Bellevue Way NE, Bellevue, WA 98101 Phone (425) 638-1000 · Fax (425) 638-1060
Hampton Inn & Suites - Bellevue 11405 Northeast 2nd Pl, Bellevue, WA. 98004 425-453-4100	Sheraton Bellevue 100 112th Avenue NE, Bellevue, WA. 98004 425-455-3330
	W Bellevue 10455 NE 5th Place, Bellevue, WA. 98101 206-264-6000
HYATT CHAIN	MARRIOTT CHAIN
Grand Hyatt - Seattle 721 Pine Street, Seattle, WA, 98101 1-800-492-8804.	Renaissance - Seattle 515 Madison Street, Seattle, WA 98104 206-583-0300
Hyatt at Olive 8 1635 8th Avenue, Seattle, WA. 98101 206-695-1234	SpringHill Suites Seattle Downtown 1800 Yale Avenue, Seattle, WA 98101 206-254-0500
Hyatt Place Seattle Downtown 110 6th Avenue North, Seattle, WA. 98109 206-441-6041	Seattle Marriott Waterfront 2100 Alaskan Way, Seattle, WA 98121 206-443-5000
Hyatt Regency 900 Bellevue Way NE, Bellevue, WA 98004 1-800-492-8804.	Residence Inn Seattle Downtown/Convention Center 1815 Terry Avenue, Seattle, WA. 98101 206-388-1000
Hyatt House Bellevue 3244 139th Avenue SE, Bellevue, WA. 98005 425-747-2705	Courtyard Bellevue 11010 NE 8 th ST, Bellevue, WA 98004 425-454-5888
	Residence Inn Bellevue 14455 NE 29 th Place, Bellevue, WA 98007 425-882-1222
	Marriott Bellevue 200 110th Avenue NE, Bellevue, WA. 425-214-7600
	Residence Inn Bellevue Downtown 605 114th Avenue SE, Bellevue, WA. 425-637-8500