



RFID

JOURNAL

LIVE!

MAY 9-11, 2023 | ORLANDO, FLORIDA



Testing and Quality Control

Peter Collins

CEO, A2B Tracking



AIM Anti-Trust Policy

It is the policy of the AIM Inc. to conduct its operations in strict compliance with the antitrust laws. No AIM activities shall create even the appearance of a violation of the letter or spirit of the antitrust laws. This policy prohibits any discussion at AIM's meetings of unpublished commercial terms of sales, unannounced product development or unpublished cost and revenue data of a member. It is not appropriate for members to discuss competitive business terms with an intent to explicitly or implicitly form an agreement or understanding which restricts the exercise of independent business judgement, especially with regard to price, selection of customers, and markets in which it competes.

All attendees are permitted and encouraged to actively participate in all meeting discussions and activities as defined in the AIM Member Participation and Collaborative Guidelines. If any participant believes the group is drifting toward impermissible discussion, the topic shall be tabled until the opinion of counsel can be obtained.



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AIM Collaboration Policy

AIM is proud to be the industry association and worldwide authority on barcode, RFID, RTLS and mobile computing, and is on the cutting edge of development in these areas. Our members have a long history of working together to provide a collaborative global influence on emerging technologies and innovation.

AIM committee meetings are held for the primary purpose of advancements in our industry, which necessarily involves development of work product intended solely for the public domain. AIM has developed this Policy for the protection of its members who engage in this important collaborative effort.

All information shared in this process shall be non-confidential and shared for the common purpose of producing work product for the public domain. No proprietary information, confidential information, or trade secrets should be shared during any AIM meeting. Additionally, information developed during AIM committee meetings should not be shared with others outside of this collaborative process until finalized and formally announced by AIM such as public review or standards documents or finalized issued standards.

These limitations are necessary to protect and safeguard the integrity of the collaborative process, AIM members, and AIM itself. All meetings shall be conducted in a manner that avoids the appearance of any conduct that might violate this policy.



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Why is AIM Relevant to You?

AIM is the global authority that links physical, digital and regulatory worlds!

We are the unbiased and trusted global authority for technologies that automate accurate data capture and efficiency.

We provide a vehicle for global standardization adoption and scale.

We link standardized & emerging technologies to work interoperable to suppliers, manufacturers, services providers, and users.

- o We verify compliance and harmonization.
- o We impact digital identification and authentication regulations.
- o We develop standards.
- o We provide guidance and technology insight.

Through this we enable sustainable, efficient, safe, resilient, and accurate data.

Education • *Advocacy* • *Standards* • *Community*



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There's Strength in Numbers

- AIM is an unbiased, global organization
- Network with like-minded individuals
- Influence the industry
- Committees to solve industry issues

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A tag is not a tag...

- is not a tag
- A tag is a microchip with an antenna



The views expressed/presented are that of the individual speaker and do not necessarily represent the views of the speakers' respective company.



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Testing

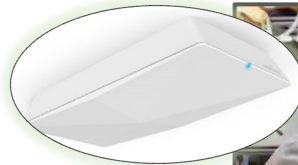
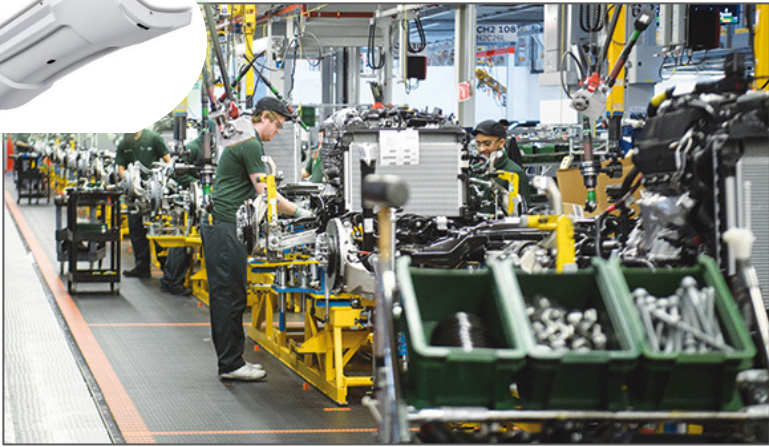
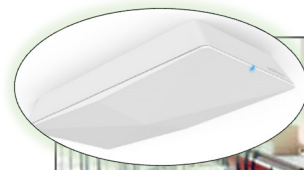
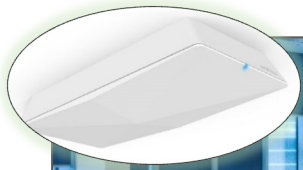
- Goal = achieve the highest possible reliability and predictability (at the most reasonable price)





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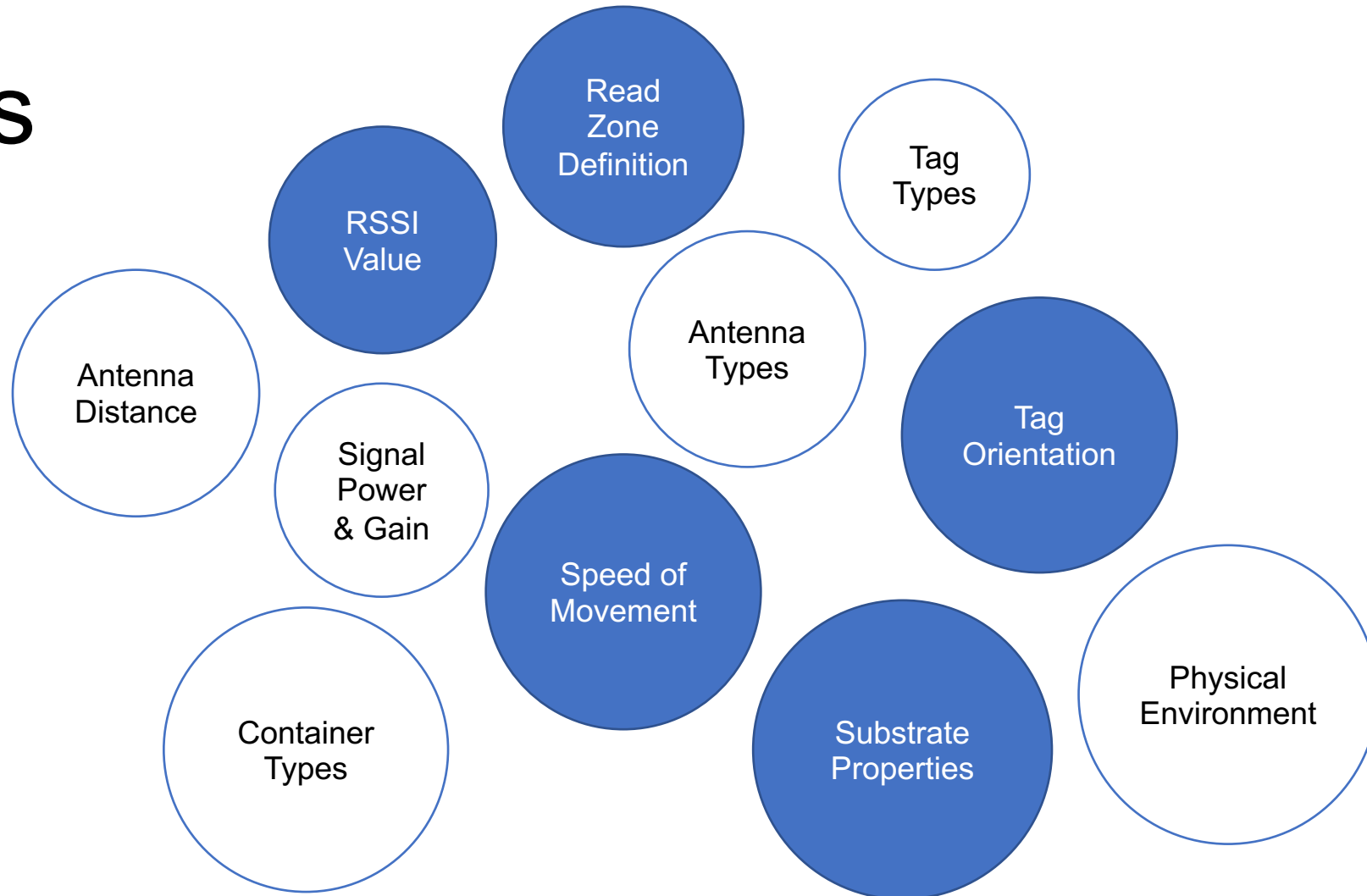
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Factors



Measure

- Number of tag reads
- Time it takes to read and process tag(s)
- RSSI value
- Tag orientation
- Transmit power
- Antenna location



Create the Test Environment

- Readers
- Antennas
- Tags
- Tagging Assets
- Transport Methods
- Software (Middleware, Database, Measurement Recordings)



Final Thoughts

- A tag is not a tag is not a tag
- Carefully consider the “use case” and then design the testing approach
- Predictable performance (that is affordable) is the goal
- RFID can, and often, is a game-changer



Questions or Comments



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Contact Us

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