



ANNEX C: FACTSHEET ON SDC'S 5G TRIALS

<p>Overview</p>	<p>The range of trials under 5G@Sentosa will play an important role in identifying opportunities where infrastructure-light 5G technology can be leveraged not only to achieve greater productivity and efficiency in Sentosa Development Corporation (SDC)'s management of the Sentosa precinct, but also to enhance Singapore's tourism offerings including Sentosa's range of unique leisure experiences.</p> <p>The value of 5G to Sentosa is thus multi-faceted, potentially benefitting various stakeholders in the Sentosa community including guests, residents business establishments, and contractors.</p>
<p>Pilot of 5G Augmented Reality (AR) edutainment experience</p>	<p>SDC and STB will jointly pilot a heritage-based immersive 5G Augmented Reality (AR) edutainment experience, featuring gamification around the Fort Siloso area.</p> <p>The pilot, along with other 5G@Sentosa trials, will play an important role in identifying opportunities where infrastructure-light 5G technology could potentially be adopted by Singapore's tourism industry, including the Sentosa community, while complementing ongoing efforts to create seamless and immersive experiences for guests.</p> <p>STB has been examining the use of 5G to push the boundaries for AR and eXtended Reality (XR) with 4K-resolution immersive experiences. Developing these new digital capabilities will make Sentosa as well as Singapore a living lab to explore new trends and develop innovative ways to engage local and international leisure audiences.</p>
<p>Achieving greater productivity and efficiency in operations</p>	<p>Through the 5G@Sentosa trials, SDC will be working with agency partners to study how 5G can augment operations in the management of the Sentosa precinct. Examples include:</p>



	<ul style="list-style-type: none">• Studying the use of drones with live video feeds for surveillance, such as in the areas of building maintenance and security• Exploring the feasibility of implementing the tele-operated Autonomous Environmental Service Vehicle for road sweeping in Sentosa• Complementing ongoing studies on the feasibility of implementing Autonomous Vehicles in Sentosa
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