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INTERNATIONAL STANDARD

**NFC Forum Specifications -
Part 1: NFC Wireless Charging**

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NFC Forum Specifications - Part 1: NFC Wireless Charging

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It is based on Wireless Charging Technical Specification Version 2.0 and was submitted as a Fast-Track document.

The text of this International Standard is based on the following documents:

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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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Wireless Charging

Technical Specification

Version 2.0

2021-08-19

[WLC]

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1 Introduction

NFC technology allows power to be transferred to a Tag in order to enable communication. This is achieved by providing a constant carrier signal.

This specification expands this scope by using the NFC communication link to control the power transferred. Thus the pure communication purpose of NFC is extended to wireless charging.

The transferred power can charge small NFC enabled devices such as smartwatches, activity trackers, headsets and many other consumer electronics products.

The benefits of NFC technology for wireless charging include:

- Use of the existing NFC specification for controlling the received power to provide charging
- Sharing the same antenna for both communication and power transfer.

1.1 Objectives

This document specifies a method and procedures for Wireless Power Transfer between two NFC wireless devices. The provided technical foundations use NFC technology for the initiation, control and execution of 13.56 MHz power transfer.

1.2 Applicable Documents or References

The following documents contain provisions that are referenced in this specification. The latest version (including all published amendments) applies unless a publication date is explicitly stated.

[ACTIVITY]	Activity Technical Specification, NFC Forum
[ANALOG]	Analog Technical Specification, NFC Forum
[DIGITAL]	Digital Protocol Technical Specification NFC Forum
[MANU]	Register of IC manufacturers, ISO/IEC JTC1/SC17, Standing Document 5
[NDEF]	NFC Data Exchange Format (NDEF) Technical Specification, NFC Forum
[RFC2119]	Key words for use in RFCs to Indicate Requirement Levels, RFC 2119, S. Bradner, March 1997, Internet Engineering Task Force
[RTD]	NFC Record Type Definition Specification NFC Forum
[RTD-DI]	Device Information RTD Technical Specification, NFC Forum
[T2T]	Type 2 Tag Technical Specification, NFC Forum