

# ISO 24354:2023-08 (E)

## General requirements for the payload interface of civil unmanned aircraft systems

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Abbreviated terms .....</b>	<b>2</b>
<b>5</b>	<b>Overall requirements .....</b>	<b>2</b>
5.1	General .....	2
5.2	Mechanical interface .....	2
5.2.1	Connection method .....	2
5.2.2	Interface installation and removal .....	3
5.2.3	Payload attachment and detachment .....	3
5.2.4	Mechanical strength .....	3
5.2.5	Mechanical life .....	3
5.3	Electrical interface .....	3
5.3.1	General .....	3
5.3.2	Contact materials .....	3
5.3.3	Connector .....	3
5.3.4	Anti-electric-shock structure .....	3
5.3.5	Electrical compatibility .....	3
5.3.6	Electromagnetic compatibility .....	4
5.4	Communication protocol .....	4
<b>6</b>	<b>Detailed requirements .....</b>	<b>4</b>
6.1	Types of payload data .....	4
6.2	Types of communication interface .....	5
6.3	Payload interface requirements for different types of payloads .....	5
6.3.1	Photoelectric payload .....	5
6.3.2	Audio payload .....	6
6.3.3	Delivery payload .....	6
6.3.4	Trigger payload .....	6
6.3.5	Radar payload .....	6
Bibliography .....		8