



Disclosure Statement and Licensing Declaration
This declaration does not represent an implied license grant

Please return to:

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Suite 400E
Washington, DC 20005
202-872-9160 – Office
202-872-9161 – Fax

Discloser:	
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URL (optional)	www.etri.re.kr
Identification of ATSC Specification Document relevant to the Disclosure Statement:	
Number	ATSC A/322, A/324, A/327, A/331
Title	Physical layer protocol(A/322), Scheduler/Studio to Transmitter Link(A/324), Guidelines for the Physical Layer Protocol(A/327), Signaling, Delivery, Synchronization, and Error Protection(A/331)

Licensing Declaration

If the Discloser is the holder of a patent and/or pending patent application that is the subject of an Essential Claim, *i.e.*, the use of which it believes would be required to implement the identified ATSC Specification Document, the Discloser hereby declares, in accordance with the Statement on ATSC Patent Policy (see ATSC website), that (check one box only).

<p>a. The Discloser agrees to make a license to the Essential Claim available without compensation upon request to all applicants for the purpose of implementing the Specification Document, which license may be conditioned upon license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.</p> <p><i>Mark here __ if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.</i></p>
<p>✓ b. The Discloser agrees to make a license to the Essential Claim available upon request under reasonable and nondiscriminatory terms and conditions to all applicants for the purpose of implementing the Specification Document, which conditions may include license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.</p> <p><i>Mark here _v_ if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.</i></p>
<p>c. The Discloser will not make a license to the Essential Claim under reasonable and nondiscriminatory terms and conditions to applicants for the purpose of implementing the Specification Document.</p>
<p>Without Compensation: The phrase “without compensation” does not mean that the Discloser is waiving all of its rights with respect to each patent or patent application that is the subject matter of the Essential Claim. Rather, “without compensation” refers to the issue of monetary compensation; <i>i.e.</i>, that the Discloser will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Discloser in this situation is committing to not charging any monetary amount, the Discloser is still entitled to require that the implementer of the ATSC Specification Document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, reciprocity, warranties, etc.</p> <p>Reciprocity: As used herein, the word “reciprocity” means that the Discloser shall only be required to license any prospective licensee under the stated terms (without compensation or under reasonable and nondiscriminatory terms and conditions) if such prospective licensee will commit to license its patent(s) or patent application(s) forming the subject matter of an Essential Claim under similar (without compensation or under reasonable and nondiscriminatory) terms and conditions.</p>

Disclosure of Patents

In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application forming the subject matter of any Potential Claim of which any Representative of the Discloser who is active in an ATSC technology group or specialist group has actual personal knowledge. The Discloser, in good faith, believes that the Potential Claim may be relevant to the implementation of the Specification Document identified by this Disclosure Statement.

N o.	Patent / Application No. and Country	Patent / Application Holder	Status [granted/ pending]
1	2024-0167203 KR	ETRI, Cleverlogic	pending
2	2024-0021216 KR	ETRI	pending
3	2024-0021226 KR	ETRI	pending
4	2024-0066725 KR	ETRI	pending
5	2024-0020861 KR	ETRI	pending
6	2024-0020844 KR	ETRI	pending
7	2024-0030260 KR	ETRI	pending
8	2024-0030255 KR	ETRI	pending
9	2024-0030240 KR	ETRI, Cleverlogic	pending
10	2024-0030227 KR	ETRI, KMOU	pending
11	2024-0030253 KR	ETRI, KMOU	pending
12	2024-0068083 KR	ETRI, KMOU	pending
13	2024-0037023 KR	ETRI, Cleverlogic	pending
14	2024-0037034 KR	ETRI, Cleverlogic	pending
15	2024-0036987 KR	ETRI, KMOU	pending
16	2024-0036985 KR	ETRI, KMOU	pending
17	2024-0036989 KR	ETRI	pending
18	2024-0041889 KR	ETRI, KMOU	pending
19	2024-0041890 KR	ETRI, Cleverlogic	pending
20	2024-0041891 KR	ETRI	pending
21	2024-0053525 KR	ETRI	pending

22	2024-0053521 KR	ETRI	pending
23	2024-0053534 KR	ETRI	pending
24	2024-0053507 KR	ETRI	pending
25	2024-0053570 KR	ETRI, Cleverlogic	pending
26	2024-0053532 KR	ETRI, KMOU	pending
27	2024-0053550 KR	ETRI, KMOU	pending
28	2024-0053564 KR	ETRI	pending
29	2024-0036993 KR	ETRI	pending
30	2024-0061208 KR	ETRI	pending
31	2024-0036995 KR	ETRI	pending
32	2024-0083266 KR	ETRI	pending
33	2024-0061222 KR	ETRI	pending
34	2024-0061229 KR	ETRI, Cleverlogic	pending
35	2024-0061233 KR	ETRI, KMOU	pending
36	2024-0054515 KR	ETRI	pending
37	2024-0068085 KR	ETRI, KMOU	pending
38	2024-0068088 KR	ETRI	pending
39	2024-0068097 KR	ETRI, Cleverlogic	pending
40	2024-0089388 KR	ETRI	pending
41	2016-0086110 KR	ETRI	granted
42	15/212109 US	ETRI	granted
43	2018-0059174 KR	ETRI	granted
44	15/993023 US	ETRI	granted
45	2018-0059198 KR	ETRI	granted
46	2021-0152283 KR	ETRI	pending
47	18/049530 US	ETRI	granted
48	2021-0159000 KR	ETRI	granted
49	17/859969 US	ETRI	granted

50	2023-0027557 KR	ETRI	pending
51	18/177623 US	ETRI	pending
52	2022-0132482 KR	ETRI, KMOU	pending
53	2023-0015452 KR	ETRI, KMOU	pending
54	18/176556 US	ETRI	pending
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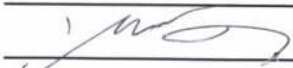
Disclosure of Information

In accordance with Sections 3 and 4 of the ATSC Patent Policy, if the Discloser has made a licensing declaration under paragraph (c) above, please provide the following information;

- an identification of each patent or patent application that is the subject matter of the Essential Claim;
- an identification of specific section(s) or text of the Specification Document that are relevant to the Essential Claim; and
- an identification of each patent or patent application claim covering the Specification Document.

This information is informal in nature and does not constitute a legal opinion, but should be based on "good faith and belief" of the Discloser. Information provided in this section does not represent a formal "notice" that implementation of any resulting ATSC Standard or Recommended Practice would infringe any patent or patent application for the Essential Claim.

Completed By:

Name of Participant	_____
	Electronics and Telecommunications Research Institute
Name of Representative	_____
	Jang Sik Choi
Title of Representative	_____
	Director of Intellectual Property Business Section
Signature	_____
	
Place, Date	_____
	Daejeon, Republic of Korea, January 7, 2025