

BD-ROM Disc Manufacturers and Content Owners v.2

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Frequently Used Abbreviations and Terms

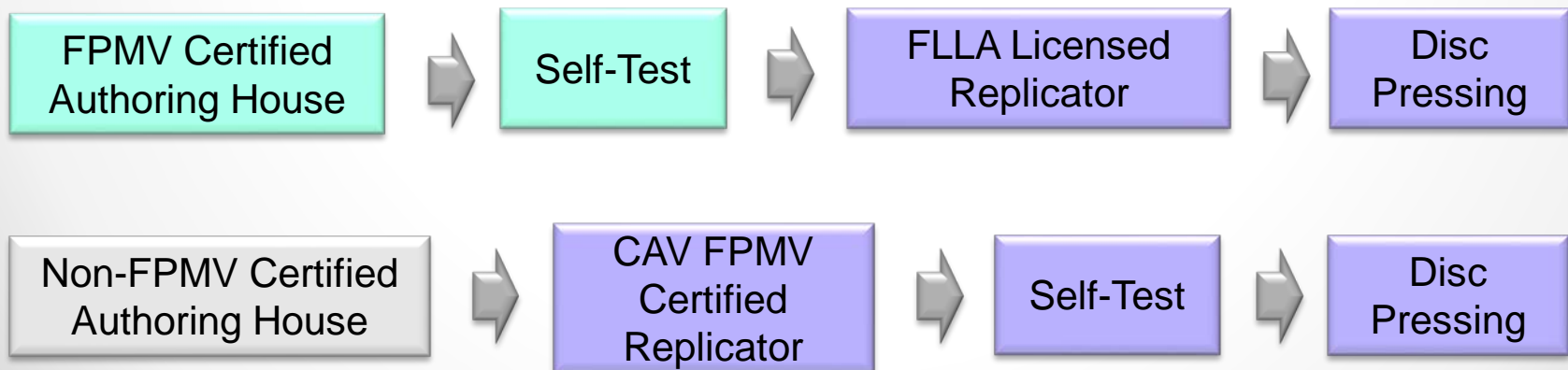
<Frequently Used Abbreviations and Terms>

ROM2 FLLA:	A License for 2D BD-ROM product manufacturing
ROM3 FLLA:	A License for 3D BD-ROM product manufacturing
ROM4 FLLA:	A License for Ultra HD BD-ROM product manufacturing
CAV:	Commercial Audiovisual Content
FPMV:	First Product Model Verification
Media FLLA:	A License designed for BD replicators
CAV FLLA:	A License designed for BD authoring houses
Media FPMV:	Media Verification necessary to starting the BD replication business
CAV FPMV:	Verification Test for Commercial Audiovisual Content
Media FPMV Certified:	A Licensee who passed the FPMV under Media
CAV FPMV Certified:	A Licensee who passed the FPMV under Commercial Audiovisual Content
CAV Profile 1.1:	2D Blu-ray Disc content
CAV Profile 2.0:	Blu-ray Disc content with BD-Live Function
CAV Profile 5.0:	3D Blu-ray Disc content
CAV Profile 6.0:	Ultra HD Blu-ray content

Compliant BD-ROM Contents (1)

1. Compliant BD-ROM contents must be either :

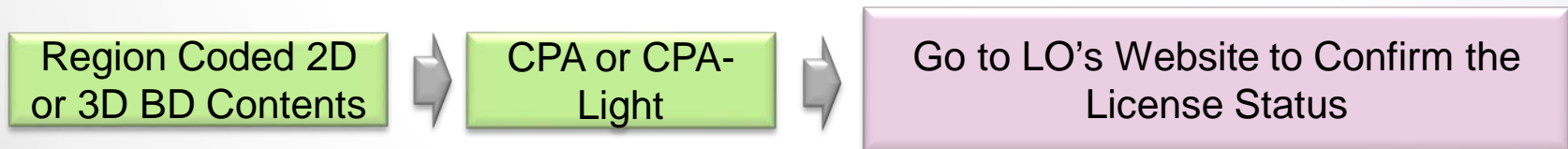
- (a) Authored by FPMV Certified Authoring House who has done the “Self-Test” on the content before submitting the contents to the FLLA Licensed Replicator, or
- (b) Authored by non-FPMV certified authoring house, but replicated by CAV FPMV Certified FLLA Licensed Replicator who has done the “Self-Test” on the content before replicating the content.



Compliant BD-ROM Contents (2)

2. Region Coded 2D and/or 3D BD Contents;

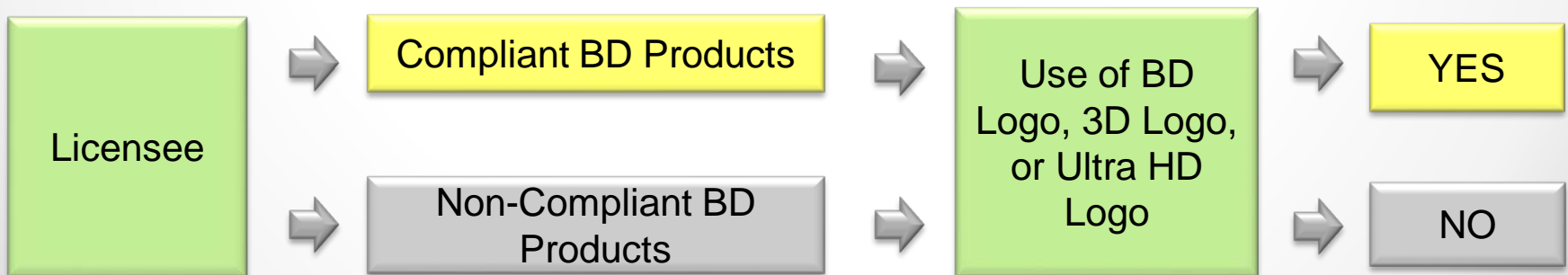
- It is a violation to replicate Region Coded BD contents, when content owner does not have CPA or CPA-Light License
- Check LO's Website to confirm the License status of content owners before taking orders
- If content owner does not have an CPA or CPA-Light License, please ask them to contact LO to obtain the appropriate License before the mass production.



Compliant BD-ROM Contents (3)

3. BD Logo may only be used on compliant BD Products;

- BD Logo, 3D BD Logo, and/or Ultra HD Blu-ray Logo is only allowed to be used on compliant BD products and related materials even with an appropriate License(s)
- Use of the Logos on non-compliant products may confuse consumers
- Use of the Logos on non-compliant products violates the trademark and Logo usage



Compliant BD-ROM Contents (4)

- Products with Blu-ray logo:
 - Compliant with BD Specification
 - Licensees' responsibility to manufacture compliant products.
- Creating non-compliant products:
 - will result in unsatisfied customers
 - affect large numbers of licensed content owners for violating the Registered Trademark and BD Logo usage
 - Decline of Blu-ray Disc format value
- Licensees:
 - are obligated to be compliant with the License Agreement
 - must ensure that all data submitted for authoring or replication are compliant to the BD Specifications.
- FLLA licensees are :
 - responsible to educate their registered affiliate companies, as they have the same obligation and responsibility under FLLA.

Required Licenses and License Fee (1)

<LLA License vs CPA/CPA-light License>

A. LLA License

- BD Logo, 3D Logo, and/or Ultra HD Logo usage on Old Contents and related materials

B. CPA/CPA-Light License

- BD Logo, 3D Logo, and/or Ultra HD Logo usage related to New Contents and related materials
- **CPA License (for Annual Gross Sales over One Hundred Million US Dollars)**
- **CPA-Light License**

Required Licenses and License Fee (2)

<Content Owners – 2D BD contents>

A. New 2D Content, Regardless of the Usage of RPC Logo

- New Contents:
CPA 2.0 License (for Annual Gross Sales over One Hundred Million US Dollars)
CPA-Light 2.0 License
- Old Contents: BD Logo License

B. Region Coded 2D Content – CPA/CPAL is Mandatory

- **CPA 2.0 License (for Annual Gross Sales over One Hundred Million US Dollars)**
- **CPA-Light 2.0 License**

Required Licenses and License Fee (3)

<Content Owners – 3D BD contents>

A. New 3D Content, Regardless of the Usage of RPC Logo

- New Contents:
CPA 3.0 License (for Annual Gross Sales over One Hundred Million US Dollars)
CPA-Light 3.0 License
- Old Contents: BD Logo License

B. Region Coded 3D Content – CPA/CPAL is Mandatory

- **CPA 3.0 License (for Annual Gross Sales over One Hundred Million US Dollars)**
- **CPA-Light 3.0 License**

Required Licenses and License Fee (4)

<Content Owners – Ultra HD contents>

Ultra HD Blu-ray Content - ***This format has no Region Playback Control lock**

- New Contents:
CPA 4.0 License (for Annual Gross Sales over One Hundred Million US Dollars)
CPA-Light 4.0 License
- Old Contents: Ultra HD Logo License

Note that, in accordance with the relevant Logo Guides, the Blu-ray Disc™ format Logo may NOT be used on Ultra HD Blu-ray™ media products and/or their packaging unless such products and/ or their packaging also contains legacy Blu-ray Disc media products.

Required Licenses and License Fee (5)

<Content Owners – License Fee>

BD Logo License, 3D Logo License, Ultra HD Logo license

- Free of Charge

CPA 2.0, CPA 3.0, and CPA 4.0 License

- License Fee: \$3,750 for a term of 5 years*

CPA-Light 2.0, CPA-Light 3.0, and CPA-Light 4.0 License

- License Fee: \$625 for a term of 5 years*

*License Fee: Licenses expiration date will be set for December 31, 2025. The actual amount due will be calculated, by the BDA, on a monthly, pro-rata basis, depending on the number of whole and partial months between the Effective Date and December 2025.

Required Licenses and License Fee (6)

<Content Owners – Old 2D or 3D Blu-ray Disc Titles >

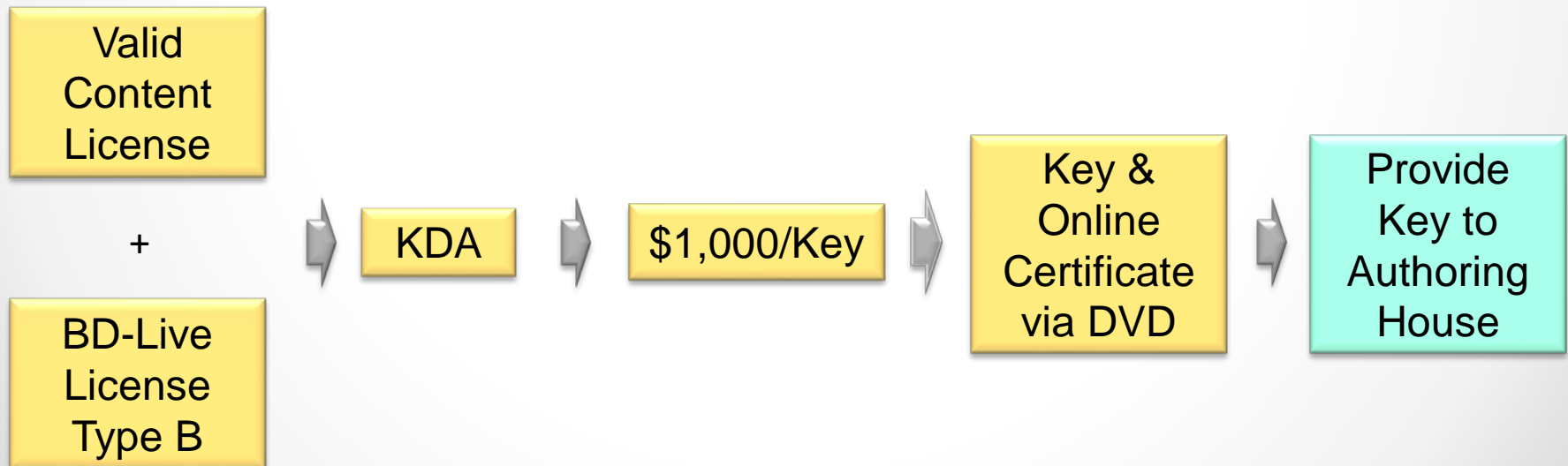
1. If contents are region coded, it is mandatory to use the RPC Logo.
2. Either CPA or CPA-Light License is required to use RPC Logo
3. RPC Code must be removed from a content
 - 12 months after Market Released Date
4. No plans to release new BD Titles;
 - May terminate CPA or CPA-Light License and obtain an appropriate LLA license(s) for continuous usage of BD Logo, 3D Logo, and/or Ultra HD Logo on Old 2D, 3D or Ultra HD contents.

Required Licenses and License Fee (7)

<Content Owners – BD-Live Contents>

A content Owner:

- needs to obtain BD-Live Logo License and Online Certificate Issuance Agreement (BD-Live Logo License) from BDA
- Must have a valid Content License in order to qualify for the License
- \$1,000/key - Key Delivery Agreement (KDA) needs to be concluded by the content owner



Required Licenses and License Fee (8)

<Authoring Houses >

No BD, 3D, and/or Ultra HD Blu-ray Logo Usage to Advertise BD Authoring Service

- No need to Obtain FLLA

2D BD Authoring only – To use BD Logo to Advertise BD Authoring Service

- ROM2 FLLA under Commercial Audiovisual Content
- \$1,000 for 5-year License Agreement*

3D BD Authoring – To use 3D BD Logo

- ROM2 & ROM3 FLLA under Commercial Audiovisual Content
- \$2,000(\$1,000+\$1,000) for 5-year License Agreement*
- **A valid ROM2 under the same business category is pre-requisite for ROM3 FLLA**

Ultra HD Authoring – To use Ultra HD Blu-ray Logo

- ROM2 & ROM4 FLLA under Commercial Audiovisual Content
- \$2,000(\$1,000+\$1,000) for 5-year License Agreement*
- **A valid ROM2 under the same business category is pre-requisite for ROM4 FLLA**

*Licenses expiration date will be set for December 31, 2025. The actual amount due will be calculated, by the BDA, on a monthly, pro-rata basis, depending on the number of whole and partial months between the Effective Date and December 2025.

Required Licenses and License Fee (9)

<Replicators – Replication Only:
Contents **Only** from CAV Certified Authoring Houses >

2D BD Replication

- ROM2 FLLA under Media(*)
- \$7,500 for 5-year License Agreement

2D and 3D BD Replication

- ROM2 FLLA under Media
- \$7,500 for 5-year License Agreement* (\$7,500)

2D and Ultra HD Blu-ray Replication

- ROM2 FLLA under Media
- ROM4 FLLA under Media
- \$15,000 for 5-year License Agreement* (\$7,500+\$7,500)

2D, 3D and Ultra HD Replication

- ROM2 FLLA under Media
- ROM4 FLLA under Media
- \$15,000 for 5-year License Agreement* (\$7,500+\$7,500)

(*) Physical Part of the ROM2 and ROM3 Media are the same. It is not necessary to obtain ROM3 Media in order to do the 3D BD replication, unless they wish to advertise their 3D replication or wish to use the 3D Logo and/or to be listed under ROM3 Media Licensee List. Also, no Test Center available for ROM3 Media FPMV.

* Licenses expiration date will be set for December 31, 2025. The actual amount due will be calculated, by the BDA, on a monthly, pro-rata basis, depending on the number of whole and partial months between the Effective Date and December 2025.

Required Licenses and License Fee (10)

<Replicators – Replication Only: Contents from **Any** CAV FPMV Certified Authoring Houses>

2D BD Replication

- ROM2 FLLA under Media and Commercial Audiovisual Content
- \$8,500 for 5-year License Agreement (\$7,500+\$1,000)

2D and 3D BD Replication

- ROM2 FLLA under Media and Commercial Audiovisual Content
- ROM3FLLA under Commercial Audiovisual Content
- \$8,500 for 5-year License Agreement (\$7,500+\$1,000)

2D and Ultra HD Replication

- ROM2 FLLA under Media and Commercial Audiovisual Content
- ROM4FLLA under Media and Commercial Audiovisual Content
- \$17,000 for 5-year License Agreement (\$8,500+\$8,500)

2D, 3D, and Ultra HD Replication

- ROM2 FLLA under Media and Commercial Audiovisual Content
- ROM3 FLLA under Commercial Audiovisual Content*)
- ROM4 FLLA under Media and Commercial Audiovisual Content
- \$18,000 for 5-year License Agreement (\$8,500+\$1,000 +\$8,500)

*Licenses expiration date will be set for December 31, 2025. The actual amount due will be calculated, by the BDA, on a monthly, pro-rata basis, depending on the number of whole and partial months between the Effective Date and December 2025.

Required Licenses and License Fee (11)

<Replicators – Replication & Authoring>

2D BD Replication & Authoring

- ROM2 FLLA under Media and Commercial Audiovisual Content
- \$8,500 for 5-year License Agreement

2D and 3D BD Replication & Authoring

- ROM2 FLLA under Media and Commercial Audiovisual Content (*)
- ROM3 FLLA under Commercial Audiovisual Content
- \$9,500 for 5-year License Agreement (\$8,500+\$1,000)

(*) Physical Part of the ROM2 and ROM3 Media are the same. It is not necessary to obtain ROM3 Media in order to do the 3D BD replication, unless they wish to advertise their 3D replication or wish to use the 3D Logo and/or to be listed under ROM3 Media Licensee List. Also, no Test Center available for ROM3 Media FPMV.

2D and Ultra HD Replication & Authoring

- ROM2 FLLA under Media and Commercial Audiovisual Content
- ROM4 FLLA under Media and Commercial Audiovisual Content
- \$17,000 for 5-year License Agreement (\$8,500+\$8,500)

2D, 3D, and Ultra HD Replication & Authoring

- ROM2 FLLA under Media and Commercial Audiovisual Content
- ROM3 FLLA under Commercial Audiovisual Content
- ROM4 FLLA under Media and Commercial Audiovisual Content
- \$18,000 for 5-year License Agreement (\$8,500+\$1,000+\$8,500)

*Licenses expiration date will be set for December 31, 2025. The actual amount due will be calculated, by the BDA, on a monthly, pro-rata basis, depending on the number of whole and partial months between the Effective Date and December 2025.

Required Licenses and License Fee (12)

<Affiliate Companies>

Qualification of Affiliate Company:

- Licensed company owns more than 50% of the Share-hold of the other company

To share the same Rights and Obligations under the applicable License Agreement

- The Licensee must register their affiliate companies by submitting the Official Side Letter (Affiliated Company Statement) available from the BDA License Office
- Non-Registered affiliates are not permitted to use or share any confidential information or rights to use BD Logo or manufacture BD Products
- Side Letter can be down-loaded from <http://blu-raydisc.info/license-app/affiliateform.php>

Required Licenses and FPMV(1)

<Authoring Houses - 2D Contents>

Send Contents to Profile 1.1 CAV
FPMV Certified Replicators Only



No License

No usage of any of the BDA Logos to
advertise their Blu-ray Authoring Service

or

ROM2 CAV FLLA

Usage of BD Logo, Access to BD
Specification Books as well as the Licensee
Only Pages and Any Important Updates

Send 2D Contents to Any FLLA
Licensed Replicators



ROM2 CAV FLLA

Pass CAV FPMV Profile 1.1

Required Licenses and FPMV(2)

<Authoring Houses - 2D BD-Live Contents>

Send Contents to Profile 2.0 CAV
FPMV Certified Replicators Only



No License

No usage of any of the BDA Logos to
advertise their Blu-ray Authoring Service

or

ROM2 CAV FLLA

Usage of BD Logo, Access to BD Specification
Books as well as the Licensee Only Pages and
Any Important Updates

Send Contents to Any ROM FLLA
Licensed Replicators



ROM2 CAV FLLA

Pass CAV FPMV Profile 2.0

Required Licenses and FPMV(3)

<Authoring Houses - 3D Contents>

Send Contents to Profile 5.0 CAV
FPMV Certified Replicators Only



No License

No usage of any of the BDA Logos to
advertise their Blu-ray Authoring Service

or

ROM2&3 CAV FLLA

Usage of BD Logo and 3D BD Logo, Access to
BD Specification Books as well as the Licensee
Only Pages and Any Important Updates

Send 3D Contents to Any ROM
FLLA Licensed Replicators



ROM2&3 CAV FLLA

Pass CAV FPMV Profile 5.0

*By Passing Profile 5.0, one will be exempted from Profile 1.1 only.

**A valid ROM2 under the same business category is pre-requisite for ROM3 FLLA.

Required Licenses and FPMV(4)

<Authoring Houses - 3D BD-Live Contents>

Send Contents to Profile 5.0
and 2.0 CAV FPMV Certified
Replicators Only



No License

No usage of any of the BDA Logos to
advertise their Blu-ray Authoring Service

or

ROM2&3 CAV FLLA

Usage of BD Logo and 3D BD Logo, Access to BD
Specification Books as well as the Licensee Only
Pages and Any Important Updates

Send Contents to Any ROM
FLLA Licensed Replicators



ROM2&3 CAV FLLA

Pass CAV FPMV Profile 5.0 and 2.0

*By Passing Profile 5.0, one will be exempted from Profile 1.1 only.

**A valid ROM2 under the same business category is pre-requisite for ROM3 FLLA.

Required Licenses and FPMV(5)

<Authoring Houses – Ultra HD Contents>

Send Contents to Profile 6.0 CAV
FPMV Certified Replicators Only



No License

No usage of any of the BDA Logos to advertise
their Blu-ray Authoring Service

or

ROM2&4 CAV FLLA

Usage of BD Logo and Ultra HD Logo, Access
to BD Specification Books as well as the
Licensee Only Pages and Any Important
Updates

Send Ultra HD Contents to any
ROM4 FLLA Licensed Replicators



ROM2&4 CAV FLLA

Pass CAV FPMV Profile 1.1 and 6.0

*A valid ROM2 under the same business category is pre-requisite for ROM4 FLLA.

Required Licenses and FPMV(6)

<Authoring Houses – All BD-ROM Format Version Contents>

Send Contents to CAV FPMV Certified Replicators who have passed the both Profile 5.0 and 6.0 Only



No License

No usage of any of the BDA Logos to advertise their Blu-ray Authoring Service

or

ROM2, ROM3, and ROM4 CAV FLLA
Usage of BD Logo, 3D Logo and Ultra HD Logo, Access to BD Specification Books as well as the Licensee Only Pages and Any Important Updates

Send All BD Contents to ROM FLLA Licensed Replicators who have passed only under Media Profile 5.0 and 6.0



ROM2, ROM3, and ROM4 CAV FLLA

Pass CAV FPMV Profile 5.0 and 6.0

*A valid ROM2 under the same business category is pre-requisite for ROM3 or ROM4 FLLA.

Required Licenses and FPMV(7)

<Authoring Houses – Ultra HD BD-Live Contents>

Send Contents to Profile 6.0
and 2.0 CAV FPMV Certified
Replicators Only



No License

No usage of any of the BDA Logos to
advertise their Blu-ray Authoring Service

or

ROM2&4 CAV FLLA

Usage of BD Logo and Ultra HD Blu-ray Logo,
Access to BD Specification Books as well as the
Licensee Only Pages and Any Important Updates

Send Contents to Any ROM4
FLLA Licensed Replicators



ROM2&4 CAV FLLA

Pass CAV FPMV Profile 1.1, 6.0 and 2.0

**A valid ROM2 under the same business category is pre-requisite for ROM4 FLLA.

Required Licenses and FPMV(8)

<Authoring Houses – ALL ROM Format Version BD-Live Contents>

Send Contents to CAV FPMV Certified Replicators who have passed the Profile 5.0, 6.0 and 2.0 Only



No License

No usage of any of the BDA Logos to advertise BD Authoring Service

or

ROM2, ROM3, and ROM4 CAV FLLA

Usage of BD Logo, 3D Logo and Ultra HD Logo, Access to BD Specification Books as well as the Licensee Only Pages and Any Important Updates

Send All BD Contents to ROM FLLA Licensed Replicators who have passed only under Media Profile 5.0 and 6.0



ROM2, ROM3, and ROM4 CAV FLLA

Pass CAV FPMV Profile 5.0, 6.0 and 2.0

**A valid ROM2 under the same business category is pre-requisite for ROM4 FLLA.

Required Licenses and FPMV(9)

<Replicators – 2D Contents>

* ALL Replicators must pass FPMV under Media before they can start any commercial BD replication Services

Only to Replicate Contents from CAV FPMV
(Profile 1.1) Certified Authoring Houses



ROM2 Media FLLA Only
Media FPMV Only

From Any Authoring Houses



ROM2 Media & CAV FLLA
Pass Media FPMV & CAV
FPMV
Profile 1.1

Required Licenses and FPMV(10)

<Replicators – 2D BD-Live Contents>

Only to Replicate Contents from CAV FPMV
(Profile 2.0) Certified Authoring Houses



ROM2 Media FLLA Only
Media FPMV Only

From Any Authoring Houses



ROM2 Media & CAV FLLA
Pass Media FPMV & CAV
FPMV
Profile 2.0

Required Licenses and FPMV(11)

<Replicators – 3D Contents>

Only to Replicate Contents from CAV FPMV
(Profile 5.0) Certified Authoring Houses



ROM2 Media FLLA Only

Media FPMV Only

From Any Authoring Houses



ROM2 Media & CAV
ROM3 CAV FLLA

Pass Media FPMV & CAV
FPMV under Profile 5.0

Required Licenses and FPMV(12)

<Replicators – 3D BD-Live Contents>

Only to Replicate Contents from CAV
FPMV (Profile 5.0 and 2.0) Certified
Authoring Houses



ROM2 Media FLLA Only
Media FPMV Only

From Any Authoring Houses



ROM2 Media & CAV
ROM3 CAV FLLA
Pass Media FPMV & CAV
FPMV under Profile 5.0 and
2.0

Required Licenses and FPMV(13)

<Replicators – Ultra HD Contents>

Only to Replicate Contents from CAV FPMV
(Profile 6.0) Certified Authoring Houses



ROM2 and ROM4 Media
FLLA Only

Media FPMV Only under
Profile 1.1 and 6.0

From Any Authoring Houses



ROM2 Media & CAV
ROM4 Media & CAV FLLA
Pass Media FPMV & CAV
FPMV under Profile 1.1 and
6.0

Required Licenses and FPMV(14)

<Replicators – All ROM Format Version Contents>

Only to Replicate Contents from CAV FPMV Certified Authoring Houses who have passed Profile 5.0 and 6.0



ROM2 and ROM4 Media
FLLA Only

Media FPMV Only under
Profile 1.1 and 6.0

From Any Authoring Houses



ROM2 Media & CAV
ROM3 CAV

ROM4 Media & CAV FLLA

Pass Media FPMV & CAV
FPMV under Profile 5.0 and
6.0

Required Licenses and FPMV(15)

<Replicators – Ultra HD BD-Live Contents>

Only to Replicate Contents from CAV
FPMV (Profile 6.0 and 2.0) Certified
Authoring Houses



ROM2 and ROM4 Media
FLLA Only

Media FPMV Only under
Profile 1.1 and 6.0

From Any Authoring Houses



ROM2 Media & CAV
ROM4 Media & CAV FLLA
Media FPMV & CAV FPMV
under Profile 1.1, 2.0 and 6.0

Required Licenses and FPMV(16)

<Replicators – All ROM Format Version BD-Live Contents>

Only to Replicate Contents from CAV
FPMV Certified Authoring Houses who
have passed the Profile 5.0, 6.0 and 2.0



ROM2 and ROM4 Media
FLLA Only
ROM2 and ROM4 Media
FPMV Only

From Any Authoring Houses

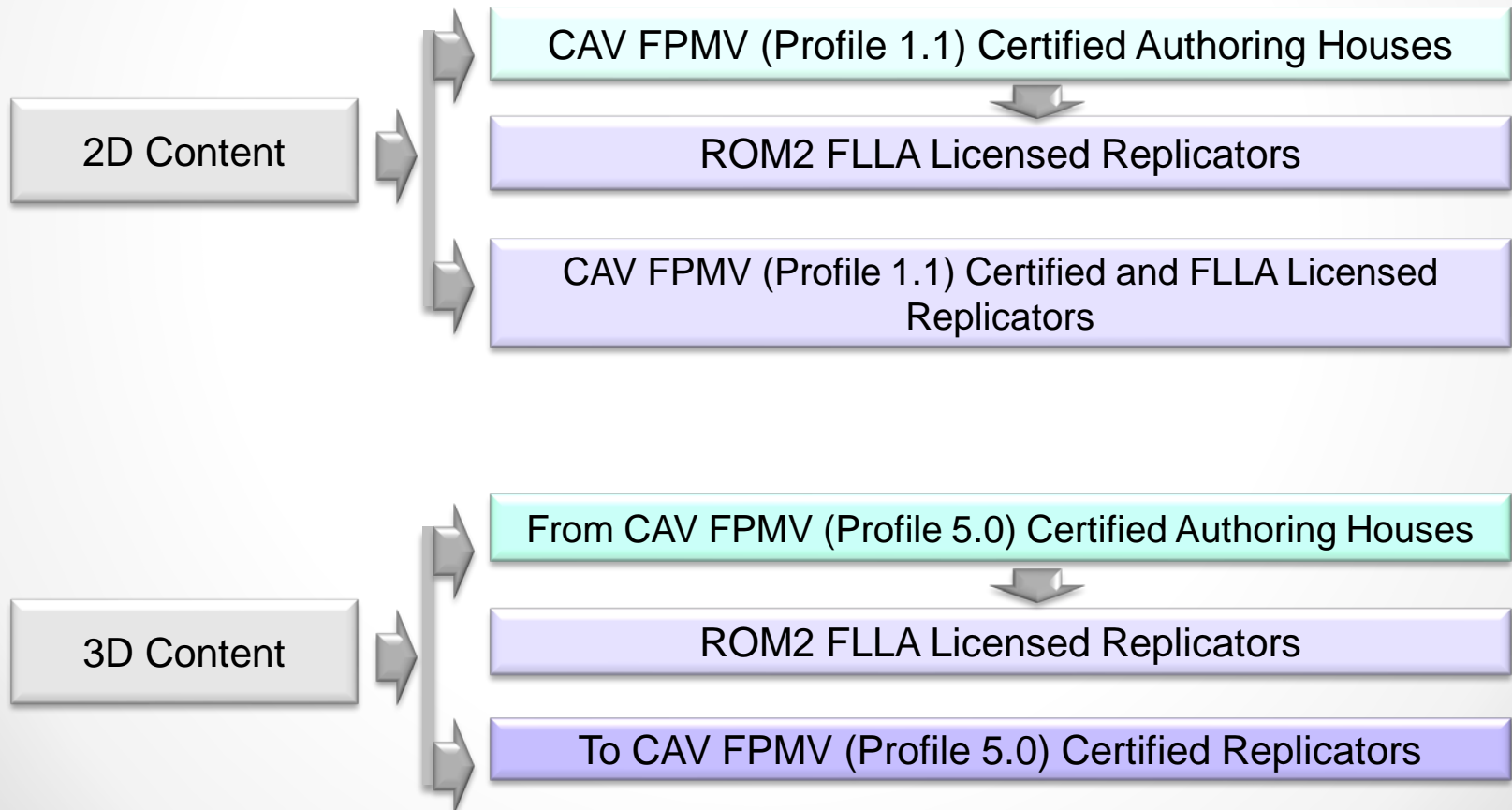


ROM2 Media & CAV
ROM3 CAV
ROM4 Media & CAV FLLA
Pass Media FPMV & CAV
FPMV under Profile 5.0, 6.0
and 2.0

Required Licenses and FPMV(17)

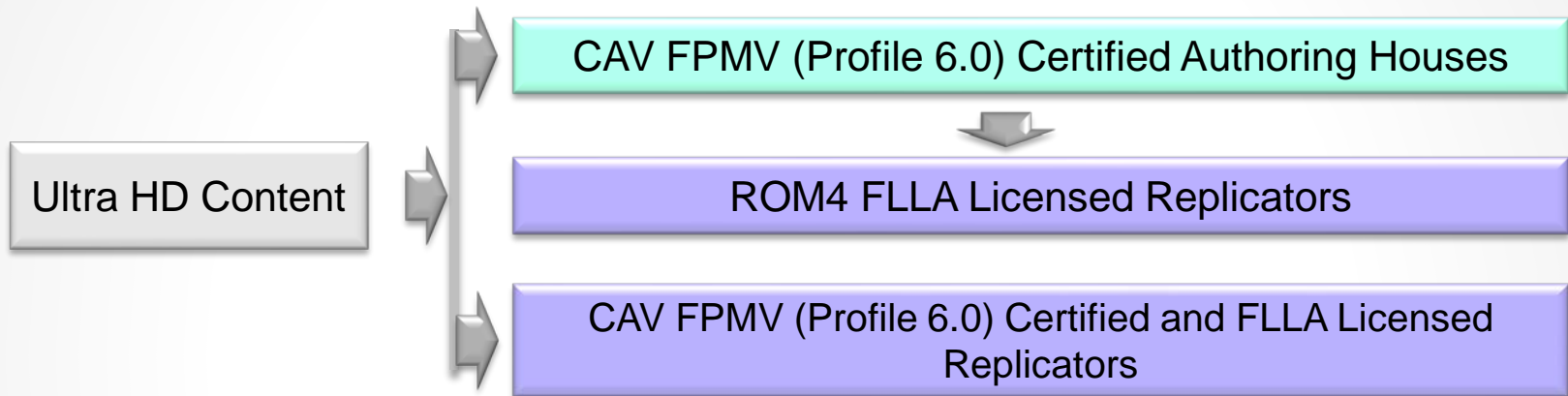
<Summary - 2D, 3D and Ultra HD Contents, w/o BD-Live>

Content must be authored or replicated by;



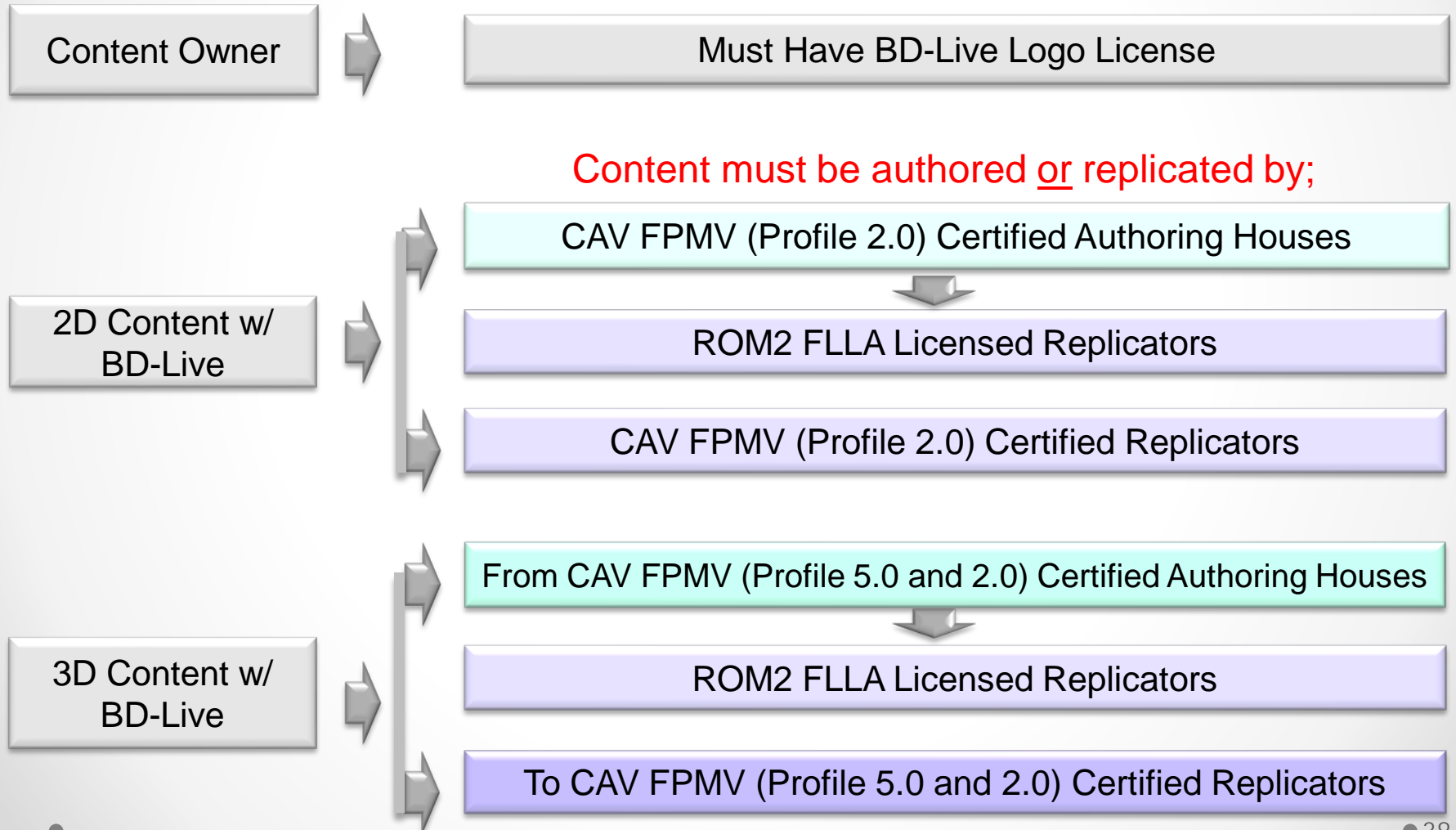
Required Licenses and FPMV(18)

Content must be authored or replicated by;



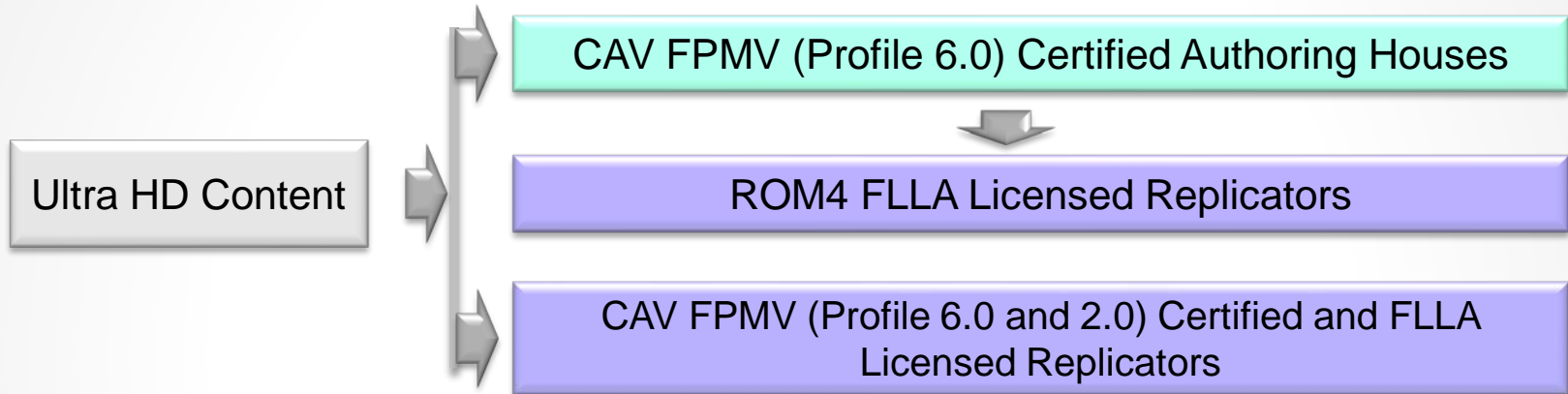
Required Licenses and FPMV(19)

<Summary - 2D & 3D Contents, with BD-Live >



Required Licenses and FPMV(20)

Content must be authored or replicated by;



To Check License & FPMV Status (1)

Available information to check the Content Owner License status;

New 2D BD Contents

CPA 2.0 License: <http://blu-raydisc.info/licensee-list/cpa-readonly-licenseelist.php>

CPA-Light 2.0 License: <http://blu-raydisc.info/licensee-list/cpalight-licenseelist.php>

Old 2D BD Contents

BD Logo License: <http://blu-raydisc.info/licensee-list/lla-licenseelist.php>

New 3D BD Contents

3D CPA License: <http://blu-raydisc.info/licensee-list/flla-rom3cpa.php>

3D CPA-Light License: <http://blu-raydisc.info/licensee-list/flla-rom3cpa-light.php>

Old 3D BD Contents

BD 3D Logo License: <http://blu-raydisc.info/licensee-list/3d-lla-licenseelist.php>

To Check License & FPMV Status (2)

Available information to check the Content Owner License status;

New Ultra HD Contents

Ultra HD CPA License: <http://blu-raydisc.info/licensee-list/flla-rom4cpa.php>

Ultra CPA-Light License: <http://blu-raydisc.info/licensee-list/flla-rom4cpa-light.php>

Old Ultra HD Contents

Ultra HD Blu-ray Logo: <http://blu-raydisc.info/licensee-list/uhd-lla-licenseelist.php>

To Check License & FPMV Status (3)

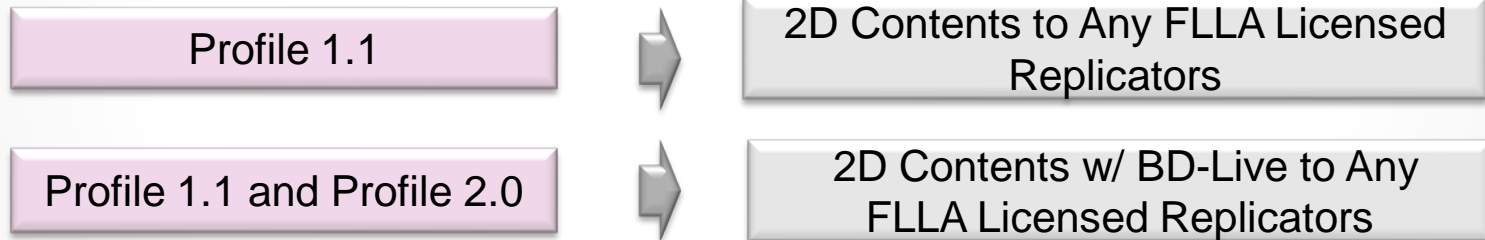
To Select Compliant Combinations of Authoring Houses and Replicators;

<http://blu-raydisc.info/licensee-list/rom-certified-licenseelist.php>

shows the List of ROM Licensees who have passed the FPMVs;

<Authoring Houses>

1. BD-ROM 2.0 Commercial Audiovisual Content Licensee List



2. BD-ROM 3.0 Commercial Audiovisual Content Licensee List



To Check License & FPMV Status (4)

3. BD-ROM 4.0 Commercial Audiovisual Content Licensee List

Profile 6.0



2D and Ultra HD Contents to Any FLLA Licensed Replicators who have passed FPMV under Media Profile 6.0

Profile 6.0 and Profile 2.0



2D and Ultra HD Contents w/ BD-Live to Any FLLA Licensed Replicators who have passed FPMV under Media Profile 6.0

Profile 5.0 and 6.0



2D, 3D and Ultra HD Contents to Any FLLA Licensed Replicators who have passed FPMV under Media Profile 5.0 and 6.0

Profile 5.0, 6.0 and Profile 2.0

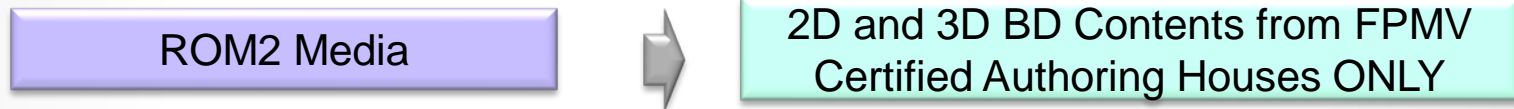


2D, 3D and Ultra HD Contents w/ BD-Live to Any FLLA Licensed Replicators who have passed FPMV under Media Profile 5.0 and 6.0

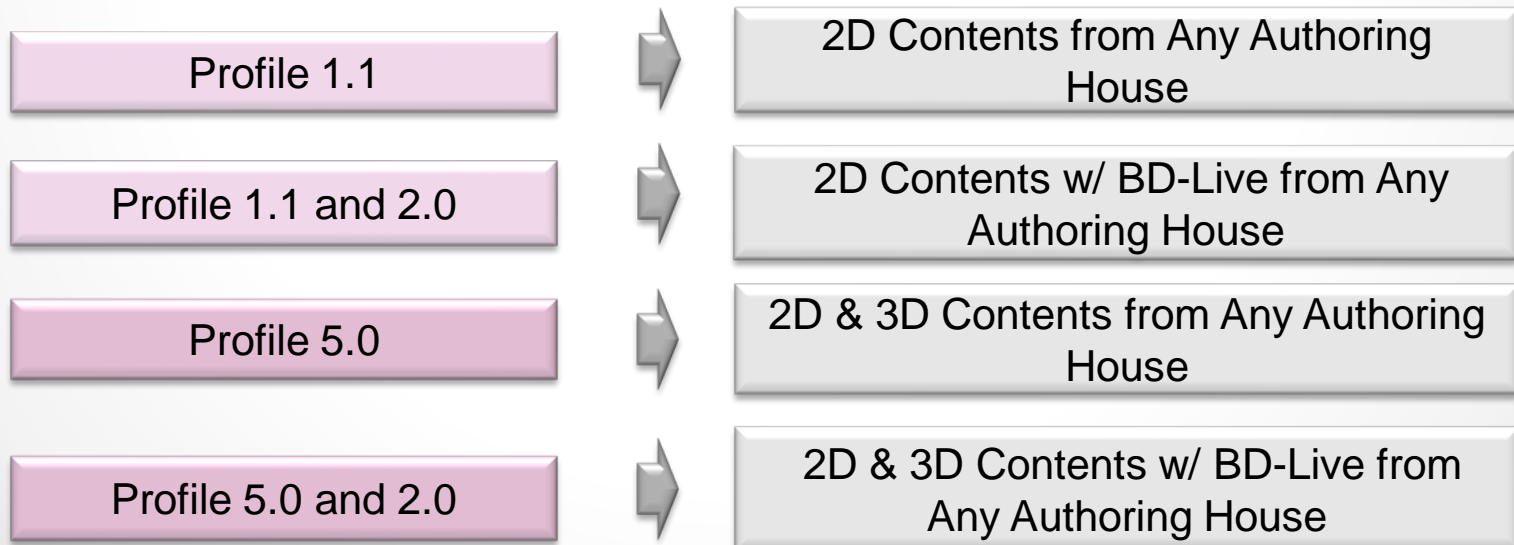
To Check License & FPMV Status (5)

<Replicators>

- A. BD-ROM 2.0 Media Licensee (who have passed Media Verification) List
- Allowed to do the 2D and 3D BD replication service



- B. BD-ROM Media Licensee (who have passed and Commercial Audiovisual Content Verification) List - **CAV FPMV Certified Replicators**



To Check License & FPMV Status (6)

<Replicators>

- C. BD-ROM 4.0 Media Licensee (who have passed Media Verification) List
- Allowed to do the BD replication service

ROM4 Media



2D, 3D and Ultra HD BD Contents
from FPMV Certified Authoring Houses
ONLY

- D. BD-ROM Media Licensee (who have passed and Commercial Audiovisual Content Verification) List - **CAV FPMV Certified Replicators**

Profile 6.0



2D and Ultra HD Contents from Any
Authoring House

Profile 6.0 and 2.0



2D and Ultra HD Contents w/ BD-Live
from Any Authoring House

Profile 5.0 and 6.0



2D,3D, and Ultra HD Contents from
Any Authoring House

Profile 5.0, 6.0 and 2.0

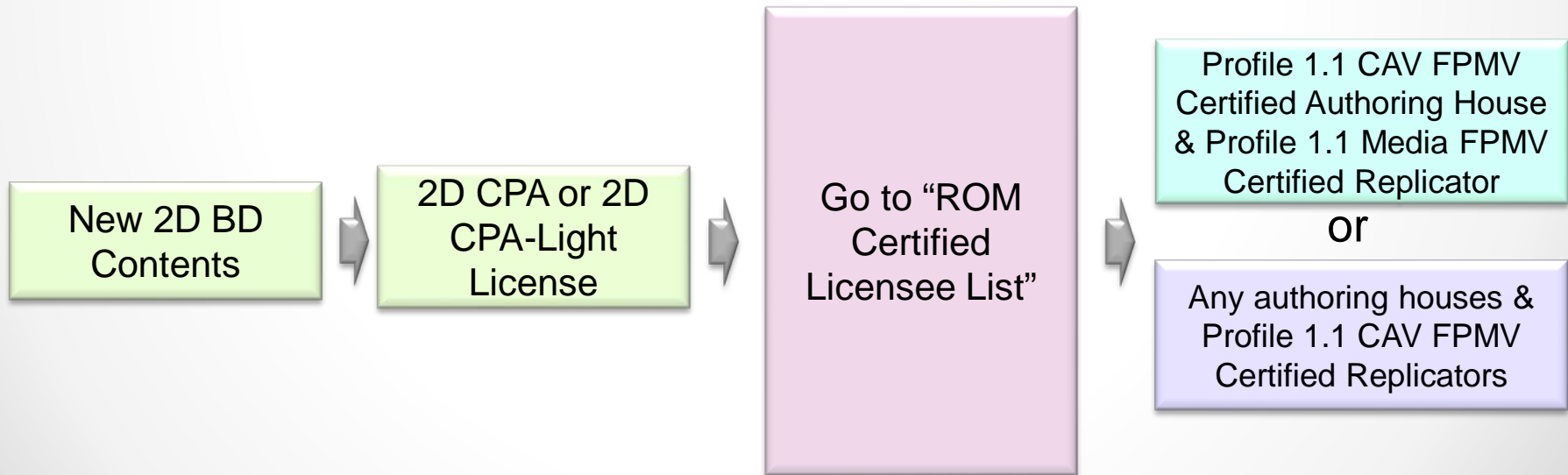


2D, 3D and Ultra HD Contents w/ BD-
Live from Any Authoring House

Compliant Order Procedure (1)

<Content Owners - 2D Contents>

- CPA 2.0 or CPA-Light 2.0 License is required for Region Coded 2D BD Contents and new 2D BD contents
- Make sure to have an appropriate content owner's License before you place an order to your manufacturers
- Go To ROM Certified Licensee List to select the compliant combination of authoring and replicator

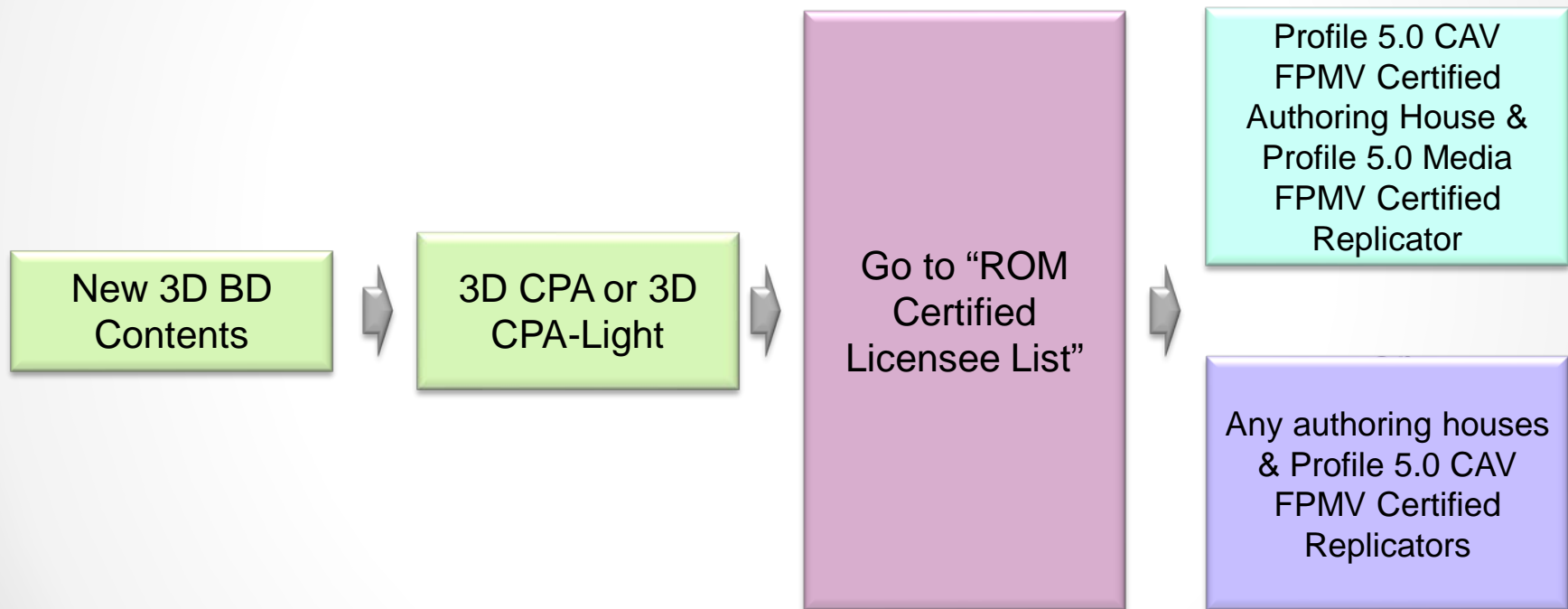


***BD Logo is only allowed to be used on BD compliant products even with an appropriate License(s)**

Compliant Order Procedure (2)

<Content Owners - 3D Contents>

- CPA 3.0 or CPA-Light 3.0 License is required for Region Coded 3D BD contents and new 3D BD contents

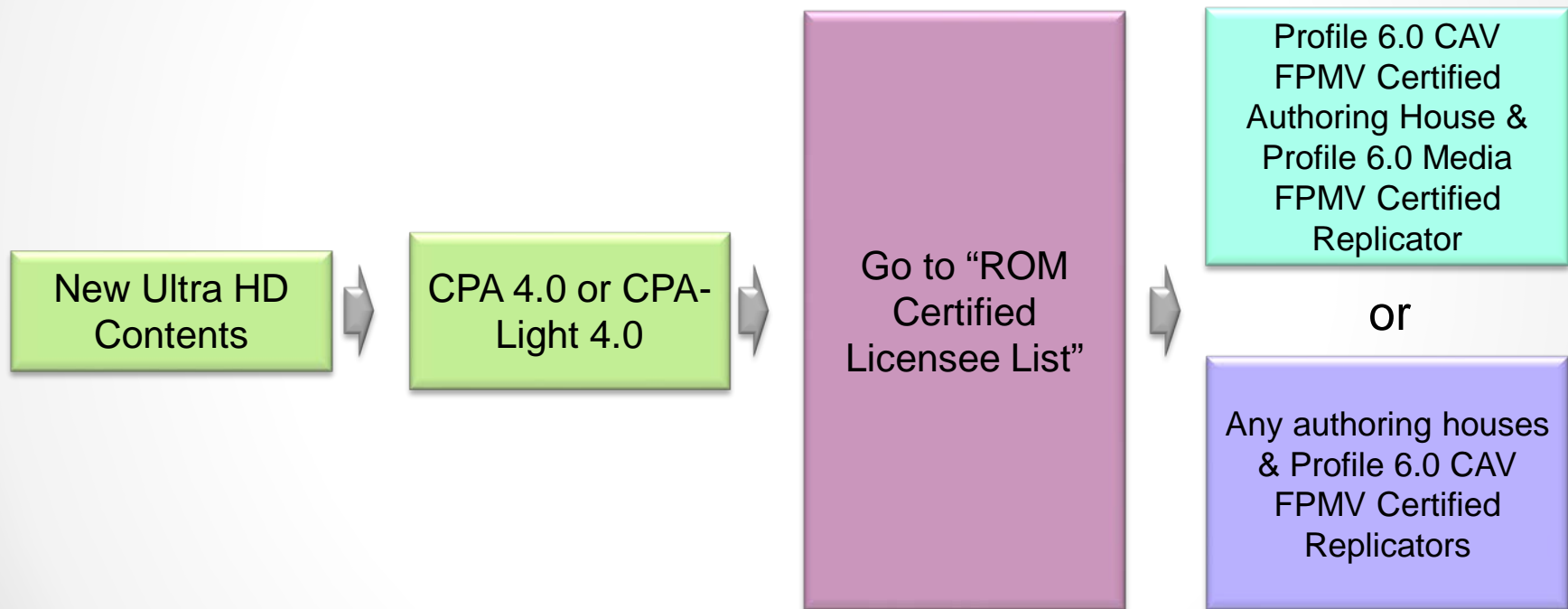


***3D BD Logo is only allowed to be used on BD compliant products even with an appropriate License(s)**

Compliant Order Procedure (3)

<Content Owners – Ultra HD Blu-ray Contents>

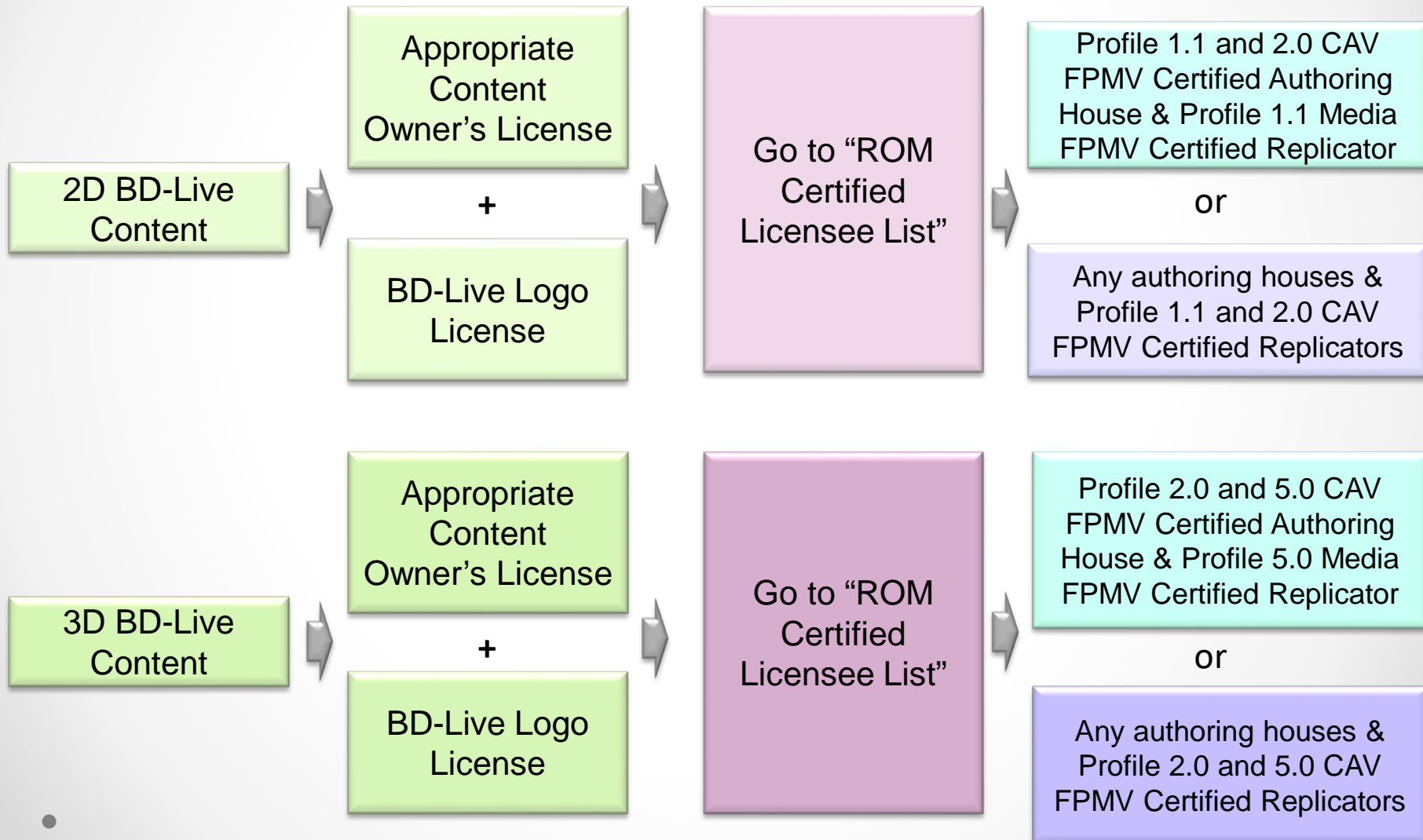
- CPA 4.0 or CPA-Light 4.0 License is required for new Ultra HD contents



***Ultra HD Logo is only allowed to be used on BD compliant products even with an appropriate License(s)**

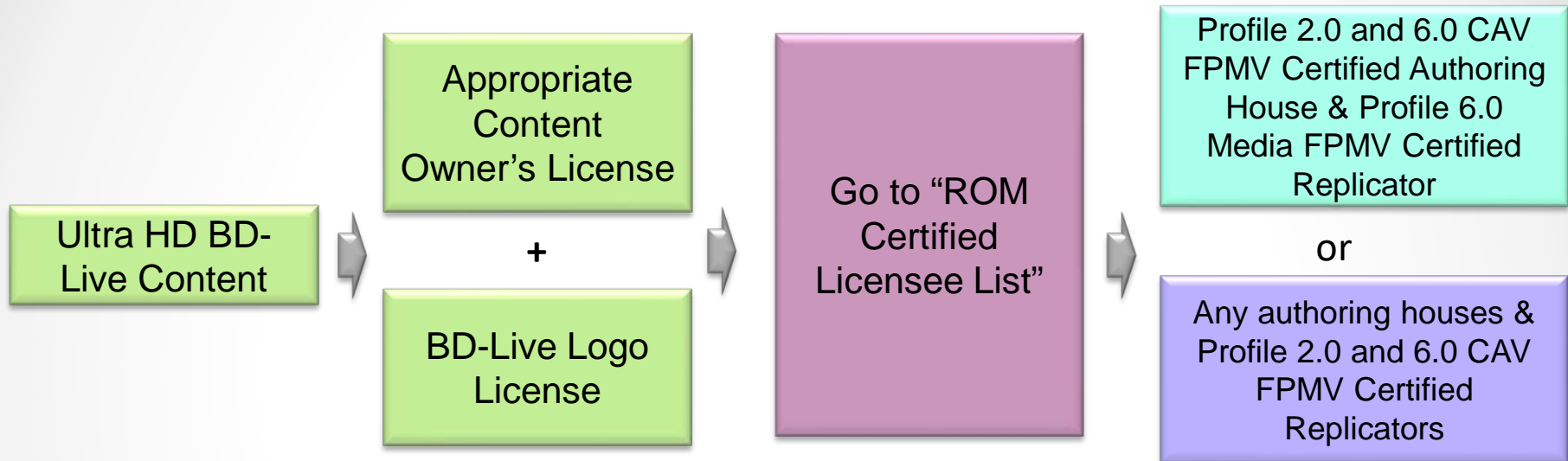
Compliant Order Procedure (4)

<Content Owners – BD-Live Contents>



Compliant Order Procedure (5)

<Content Owners – BD-Live Contents>



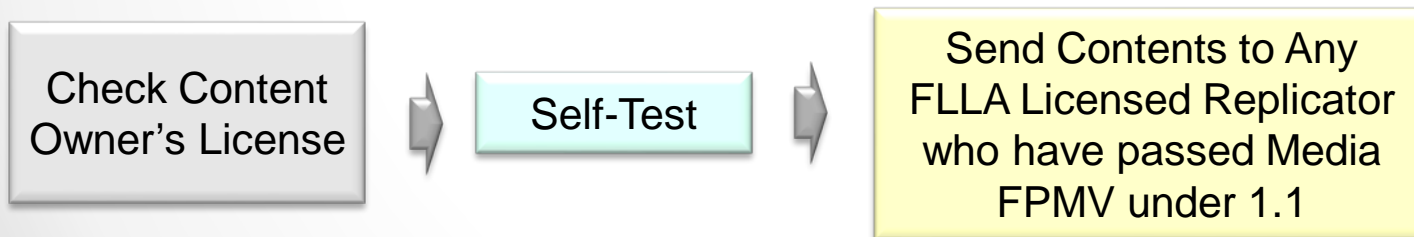
Compliant Order Procedure (6)

<Authoring Houses– 2D BD contents>

A. Non-FPMV Certified Authoring Houses



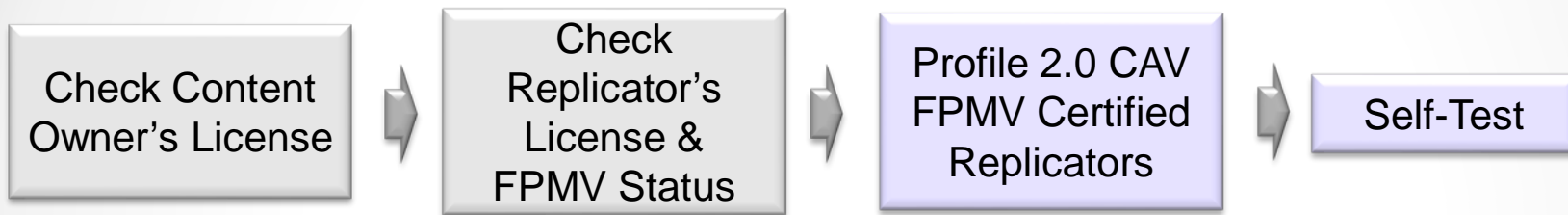
B. Profile 1.1 CAV FPMV Certified Authoring Houses



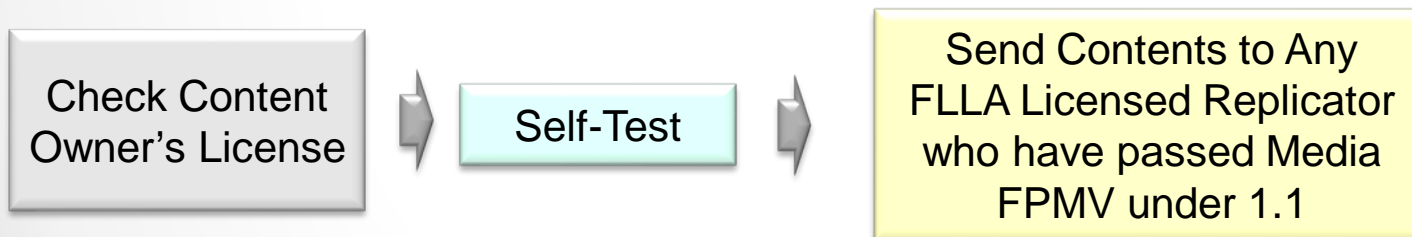
Compliant Order Procedure (5)

<Authoring Houses– 2D BD-Live Content>

A. Non-FPMV Certified Authoring Houses under Profile 2.0



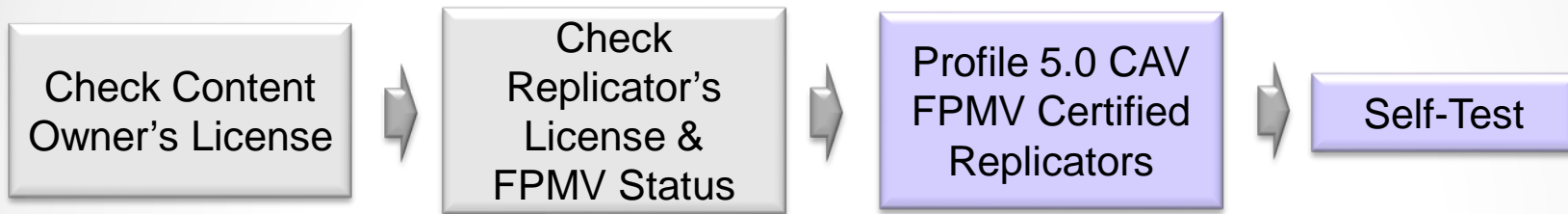
B. Profile 2.0 CAV FPMV Certified Authoring Houses



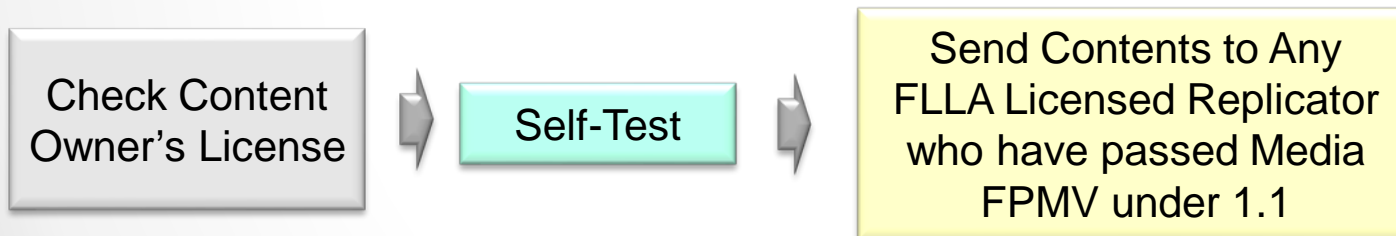
Compliant Order Procedure (6)

<Authoring Houses– 3D BD contents>

A. Non-FPMV Certified Authoring Houses under Profile 5.0



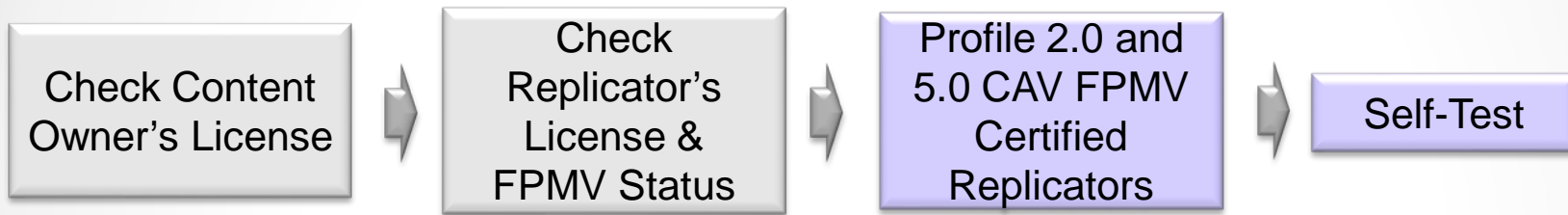
B. Profile 5.0 CAV FPMV Certified Authoring Houses



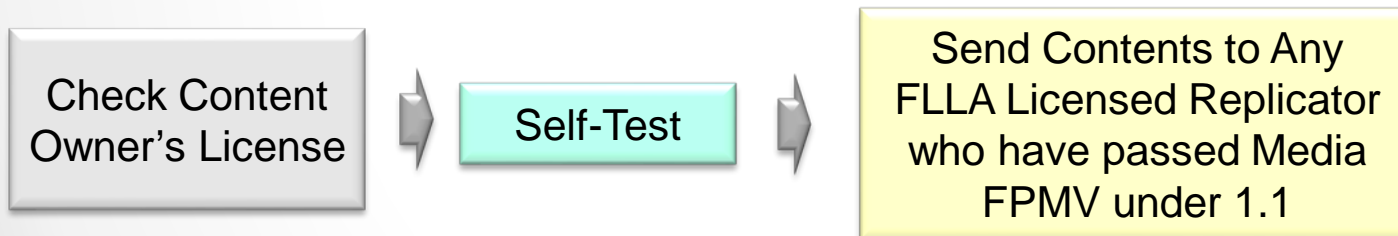
Compliant Order Procedure (7)

<Authoring Houses– 3D BD-Live Content>

A. Non-FPMV Certified Authoring Houses under Profile 5.0 and 2.0



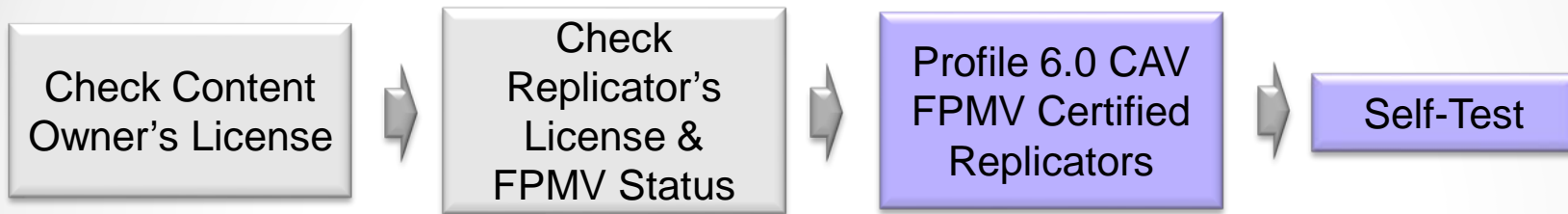
B. Profile 5.0 and 2.0 CAV FPMV Certified Authoring Houses



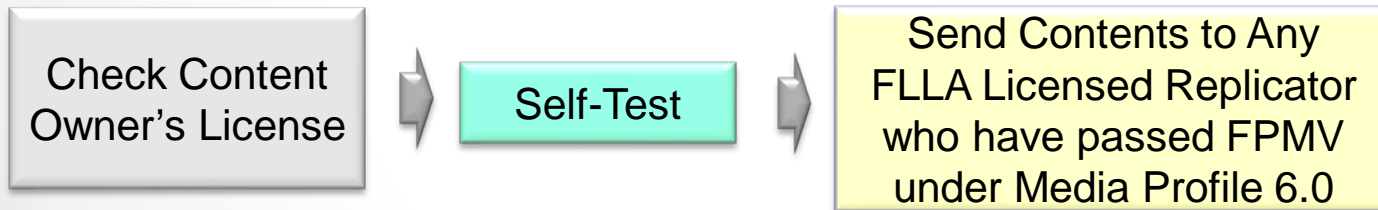
Compliant Order Procedure (8)

<Authoring Houses– Ultra HD BD contents>

A. Non-FPMV Certified Authoring Houses under Profile 6.0



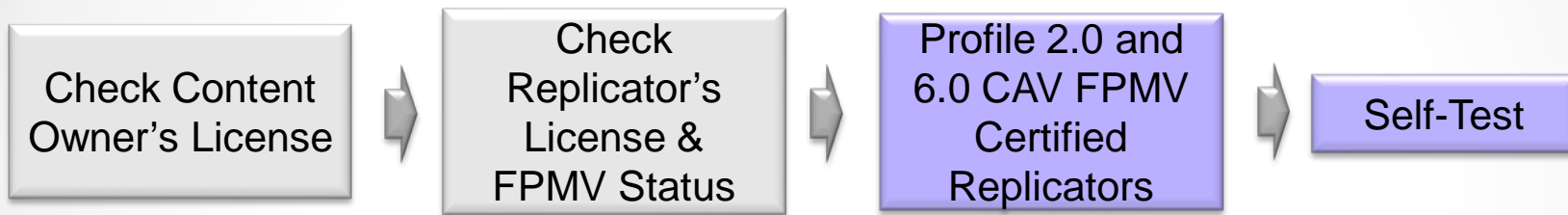
B. Profile 6.0 CAV FPMV Certified Authoring Houses



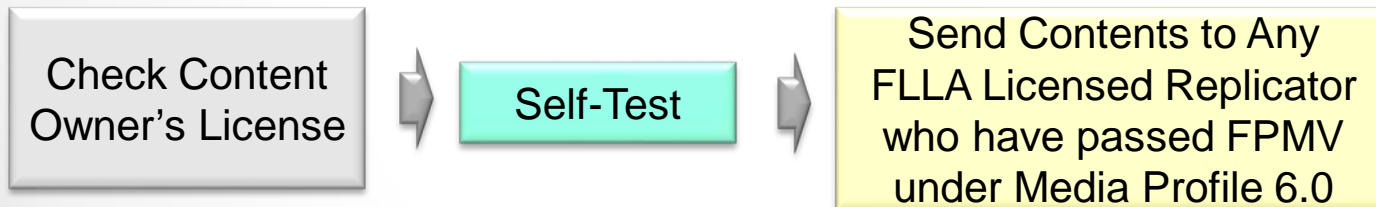
Compliant Order Procedure (9)

<Authoring Houses– Ultra HD BD-Live Content>

A. Non-FPMV Certified Authoring Houses under Profile 6.0 and 2.0



B. Profile 6.0 and 2.0 CAV FPMV Certified Authoring Houses

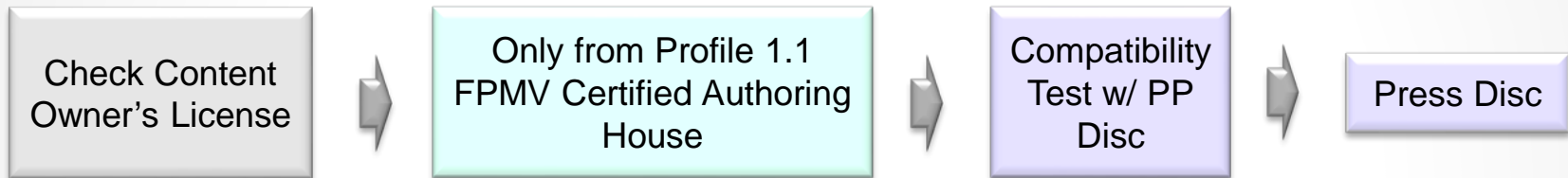


Compliant Order Procedure (8)

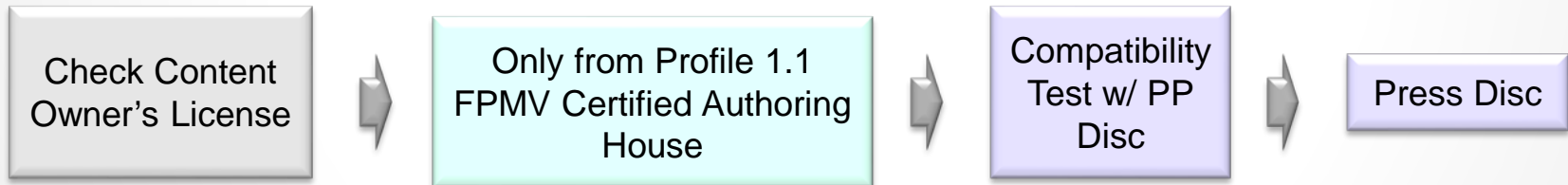
< Replicators – 2D BD contents >

- Replication ONLY (No Authoring Service) – ROM2 FLLA Media Only
- Replication and Authoring – ROM2 FLLA CAV and Media

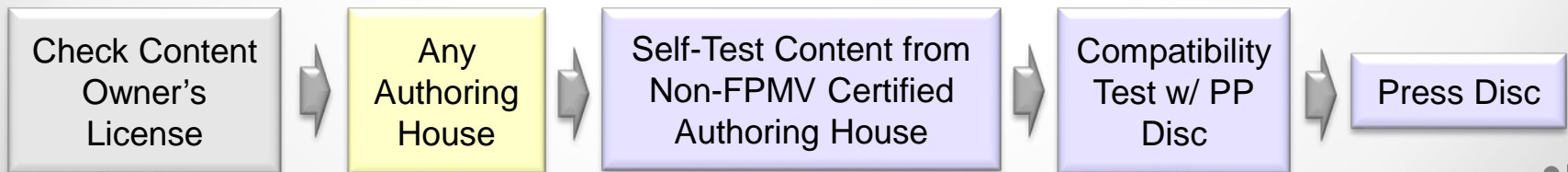
A. BD-ROM2 Media FLLA only, FPMV under Media Profile 1.1 only



B. BD-ROM2 Media and CAV, FPMV under Media Profile 1.1 only



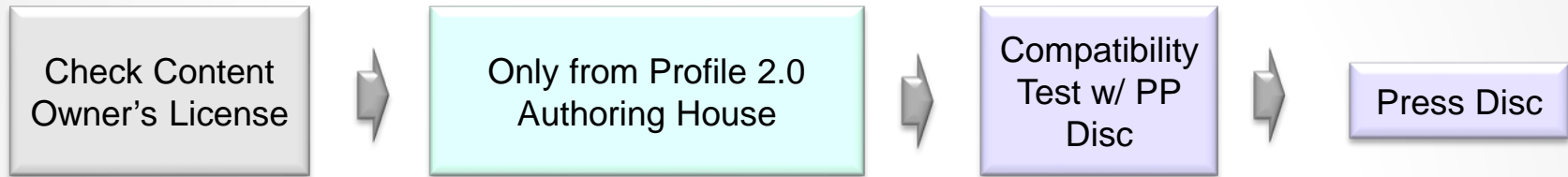
C. BD-ROM2 Media and CAV, FPMV under Media Profile 1.1 and **CAV Profile 1.1**



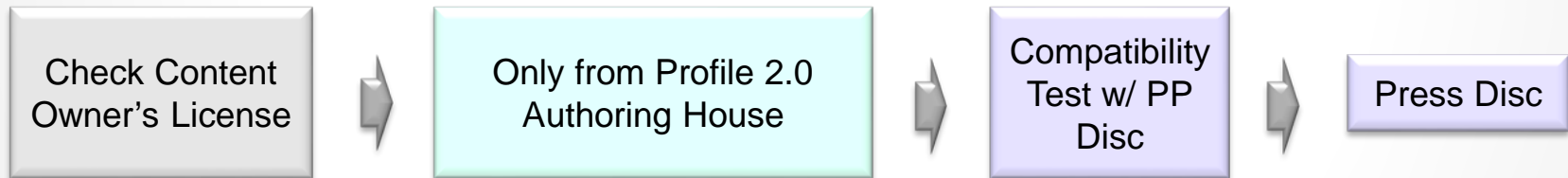
Compliant Order Procedure (9)

< Replicators – 2D BD-Live Contents >

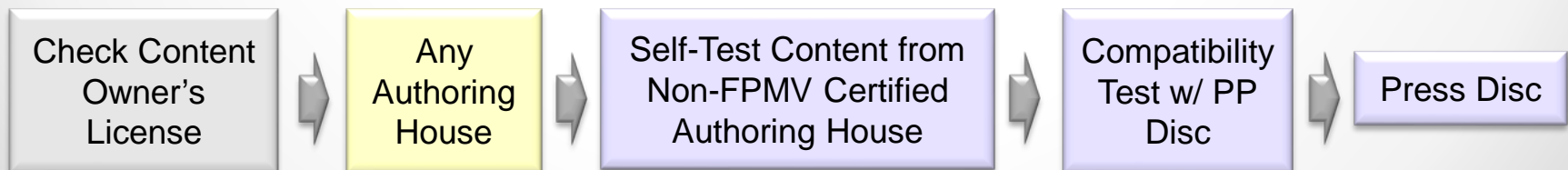
A. BD-ROM2 Media FLLA only, FPMV under Media Profile 1.1 only



B. BD-ROM2 Media and CAV, FPMV Under Media Profile 1.1 and CAV Profile 1.1 only



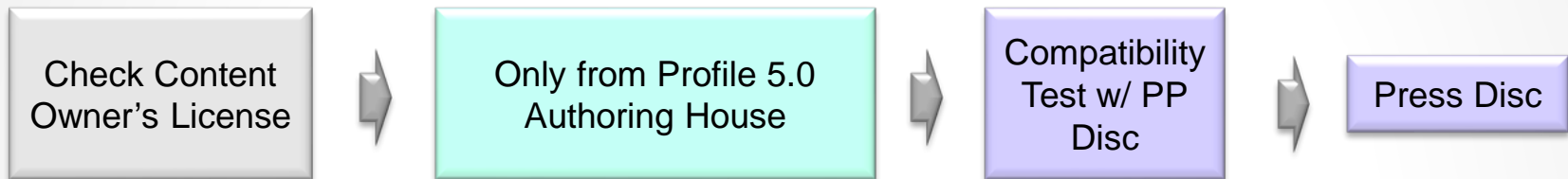
C. BD-ROM2 Media and CAV, FPMV under Media Profile 1.1 and **CAV Profile 2.0**



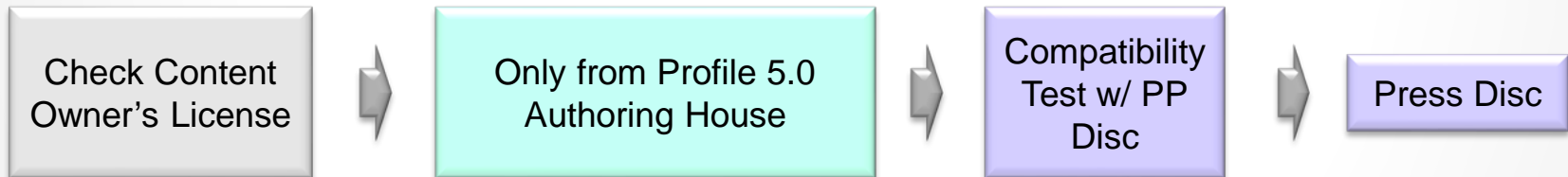
Compliant Order Procedure (10)

< Replicators – 3D BD contents >

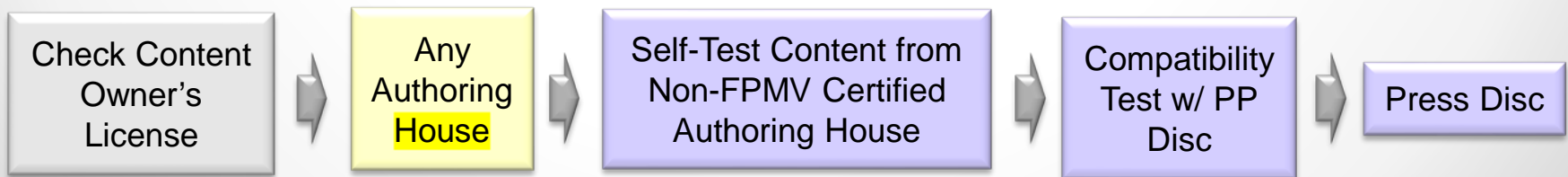
A. BD-ROM2 Media FLLA only, FPMV under Media Profile 1.1 only



B. BD-ROM2 Media and CAV, FPMV Under Media Profile 1.1 and CAV Profile 1.1



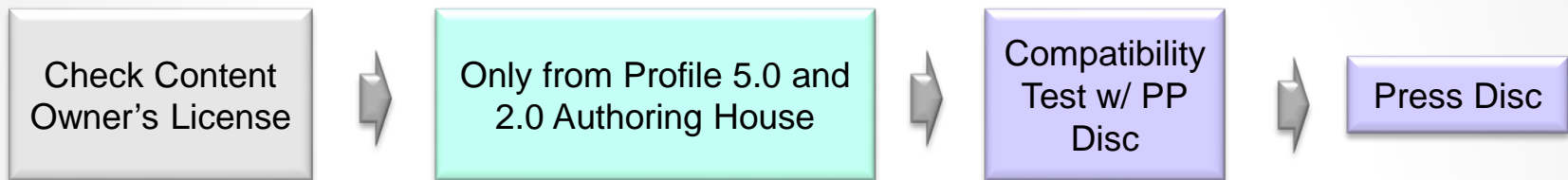
C. BD-ROM2 Media & CAV, BD-ROM3 CAV , FPMV under Media 1.1 and **CAV Profile 5.0**



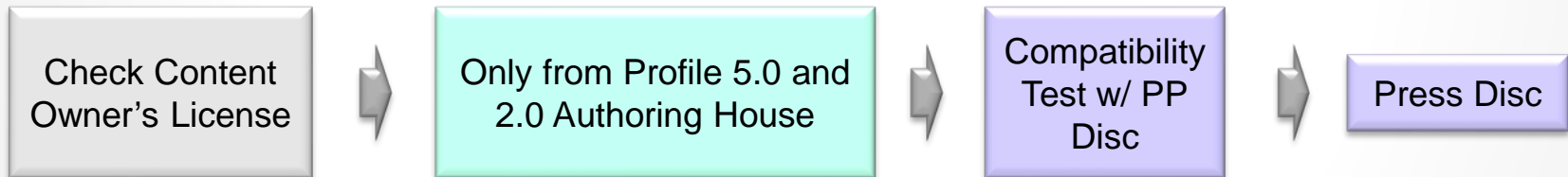
Compliant Order Procedure (11)

< Replicators – 3D BD-Live contents >

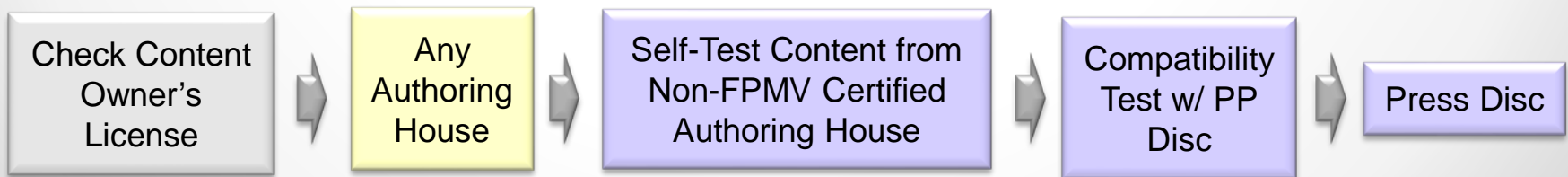
A. BD-ROM2 Media FLLA only, FPMV under Media Profile 1.1 only



B. BD-ROM2 Media and CAV, FPMV Under Media Profile 1.1 and CAV Profile 1.1 or 5.0 only



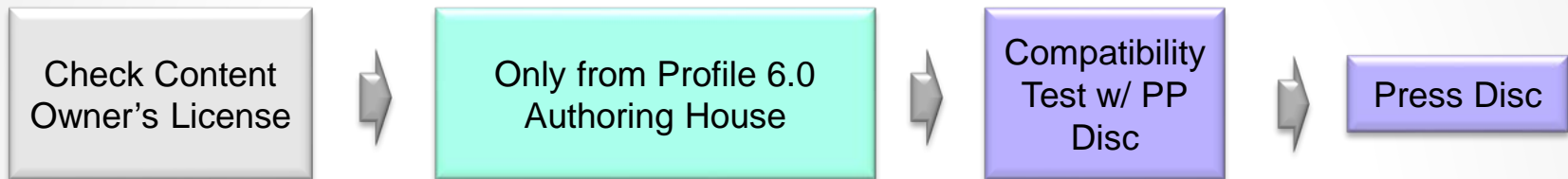
C. BD-ROM2 Media & CAV, BD-ROM3 CAV , FPMV under Media 1.1 and **CAV Profile 5.0 and 2.0**



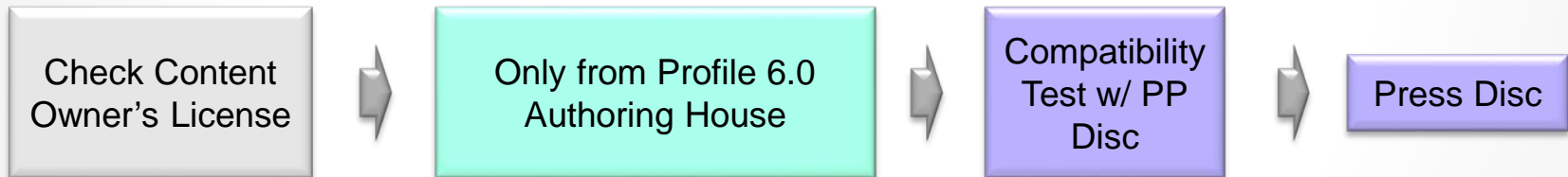
Compliant Order Procedure (12)

< Replicators – Ultra HD Blu-ray contents >

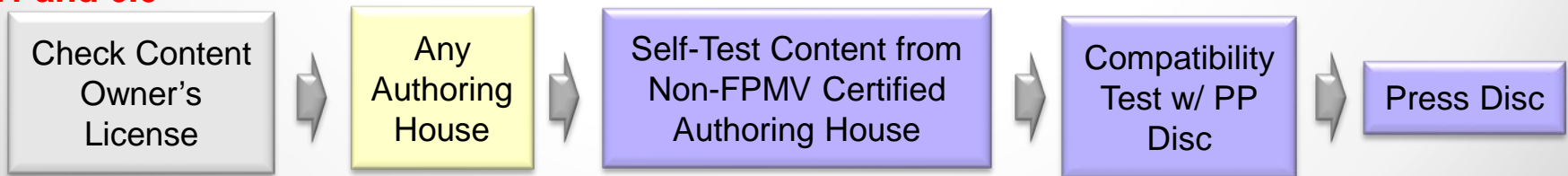
A. BD-ROM2 and ROM4 Media FLLA, FPMV under Media Profile 1.1 and 6.0 only



B. BD-ROM2 and ROM4 Media & CAV only, FPMV Under Media Profile 1.1 and 6.0, and CAV Profile 1.1 and 6.0



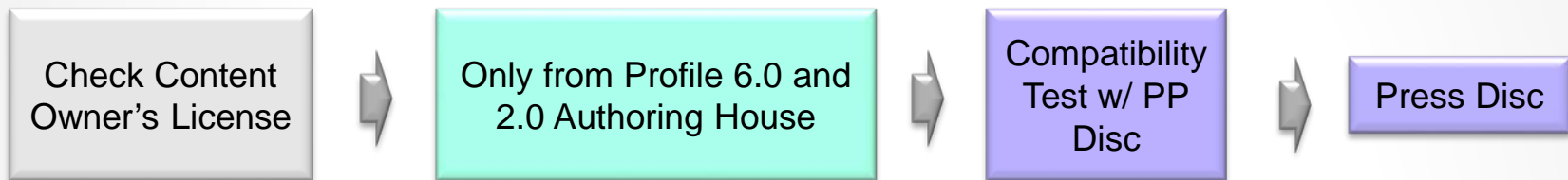
C. BD-ROM2 Media & CAV, ROM4 Media & CAV, FPMV under Media 1.1 and 6.0, and **CAV Profile 1.1 and 6.0**



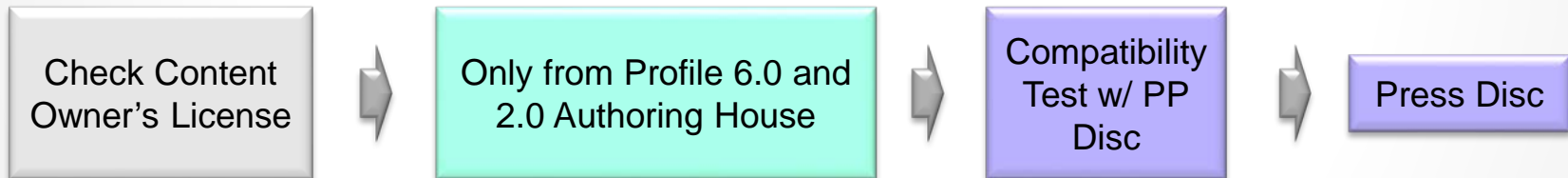
Compliant Order Procedure (13)

< Replicators – Ultra HD BD-Live contents >

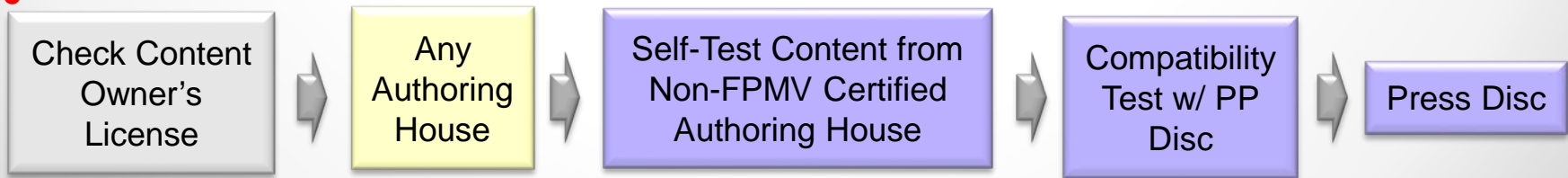
A. BD-ROM2 and ROM4 Media FLLA, Media 1.1 and 6.0 FPMV only



B. BD-ROM2 Media & CAV, ROM3 CAV FLLA, FPMV Under Media Profile 6.0, and CAV Profile 1.1, 5.0, or 6.0 only



C. BD-ROM2 Media & CAV, ROM4 Media & CAV, FPMV under Media 6.0, and **CAV Profile 6.0 and 2.0**



FPMV Procedures (1)

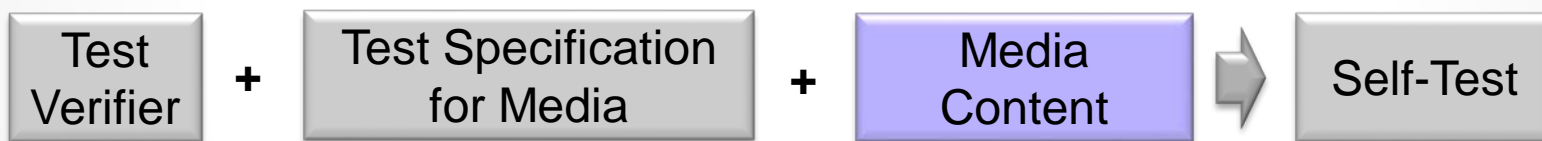
<For Media FPMV– How to Proceed>

- Need Replicated Media Content

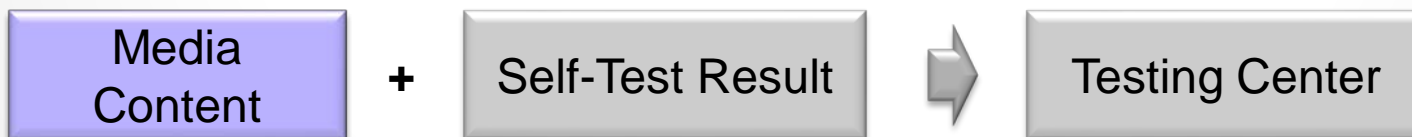
*You may use one of your customer's authored content for FPMV purpose.

Subject to approval from your customer

- Self-Test



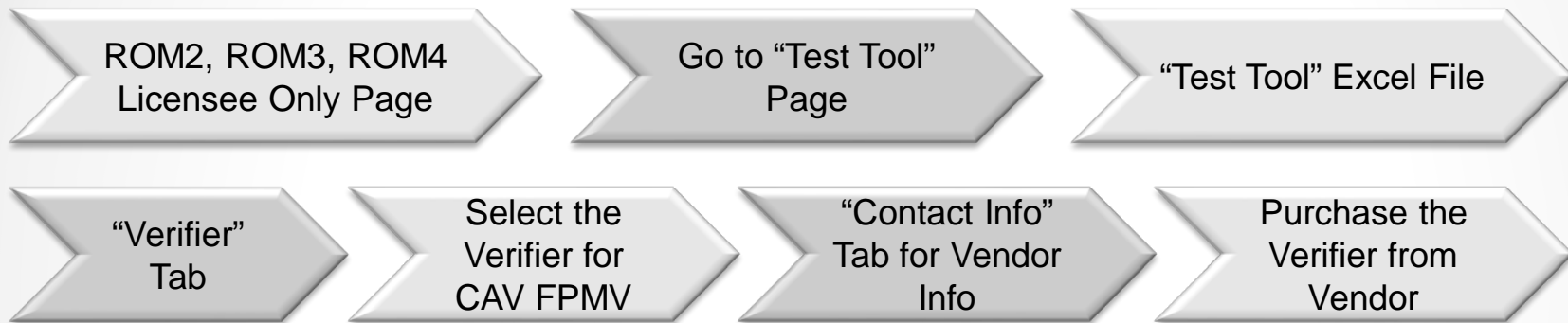
- Submit to Testing Center



FPMV Procedures (2)

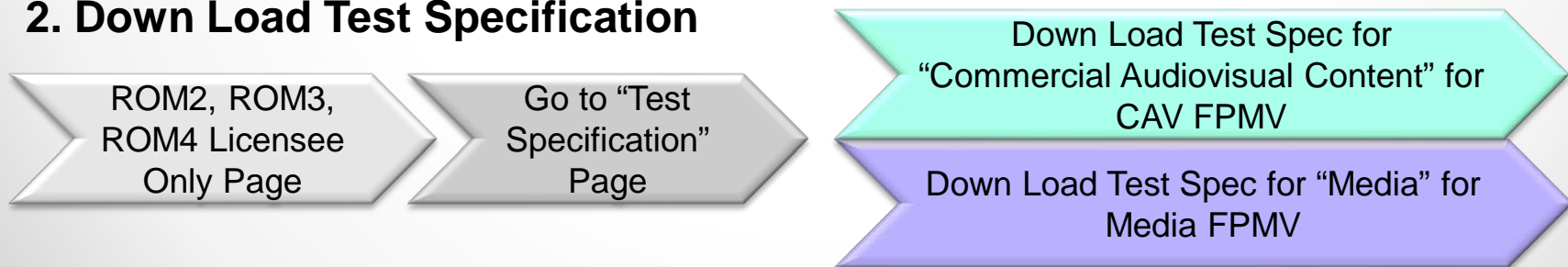
<For FPMV– How to Proceed – Media & CAV>

1. Purchase Test Tools: Approximately \$25,000 for verifier



*Test Verifier is same for ROM2 and ROM3 Media and CAV. If you purchased Verifier for Media already, then there is no need for you to purchase another one for ROM2 and ROM3 CAV.

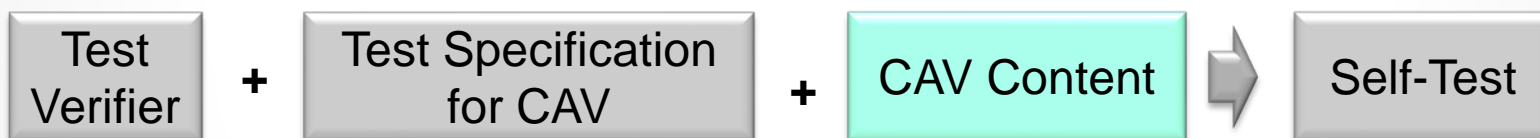
2. Down Load Test Specification



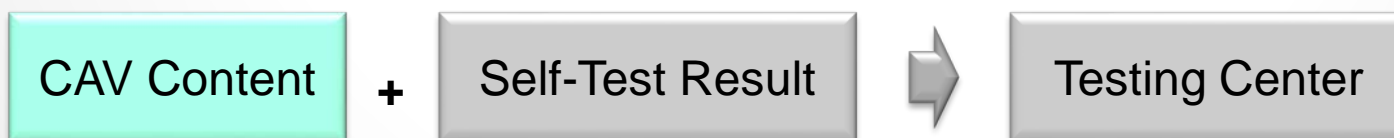
FPMV Procedures (3)

<For CAV FPMV– How to Proceed>

- Need Profile 1.1 (2D), Profile 2.0 (w/ BD-Live), Profile 5.0(3D), and/or Profile 6.0 (Ultra HD) authored content
 - *You may use one of your customer's authored content for FPMV purpose.
Subject to approval from your customer
- Self-Test



- Submit to Testing Center



***If you pass Profile 2.0, you will be exempted from Profile 1.1**

****If you pass Profile 5.0, you will be exempted from Profile 1.1**

FPMV Procedures (4)

<Testing Center & Procedure>

A. Test Center Information: The Costs - Ask Testing Center Directly

*Go to LO's website at <http://blu-raydisc.info/> then follow the instructions below;

The screenshot shows the Blu-ray Disc Association License Office website. The navigation menu includes: HOME, DO YOU NEED A LICENSE?, LICENSE APPLICATION, LICENSEE LIST, FORMAT SPECIFICATION, CONTENT PROTECTION, and LICENSEE ONLY. The 'FORMAT SPECIFICATION' menu is open, showing options: RE1, RE2, RE3, RE4 (BDXL™), R1, R2, R3 (BDXL™), ROM2, ROM3, HYBRID, and AVCREC. A red arrow points to the 'TESTING INFORMATION' link under the 'AVCREC' section. Below the menu, the 'What's New' section is visible, with a date of January 6, 2014, and a link to <http://www.blu-raydisc.info/format-spec/testing-information.php>.

1. Under “Format Specification” , select “Testing Information”

The screenshot shows the 'BD Products Testing Information' page on the Blu-ray Disc Association License Office website. The page title is 'BD Products Testing Information'. The main heading is 'Testing'. The text states: 'To put Blu-ray Disc products on the market, testing at whichever following Testing Center in advance is obligatory. Also each company is ought to evaluate the items written in Test Specifications(*), then submit the result sheet to Testing Center you have selected. FLLA Licensee can download Test Specification from the Licensee Only Pages (ID and Password are required). For further information related to Testing, please refer to VERIFICATION in " Blu-ray Disc Format and Logo License Agreement " .

1. Procedure of Blu-ray Disc Products Testing
Please refer to the procedure of BD Products Testing.
Updated September 27, 2007
[Procedure of Blu-ray Disc Products Testing](#)

2. Blu-ray Disc Testing Center
After Self-Test and before the initial commercial shipment of the first production model, Licensee shall contact and inform us (Blu-ray Disc License Office) of applying for a first production model inspection. Licensee shall select one Testing Center among the following centers. Also Licensee shall see a relevant Test Specifications. Test Specifications are posted in Licensee Only Pages.

1) Testing Centers for BD-RE Version 2, Version 3, Version 4, BD-R Version 1, Version 2, Version 3, BD-ROM Version 2, BD-ROM Version 3 and AVCREC
Please refer to the following list of official testing centers.
Updated January 6, 2014
[Testing Center Information](#)

2) Testing Center for BD-RE Version 1
BD-RE v1 products can be tested only at these two testing centers listed below.

Sony BD Testing Center
E-mail: bd-sony_bdtc@jp.sony.com

A red arrow points to the 'Testing Center Information' link.

2. See under “Testing Center Information”



FPMV Procedures (5)


<Testing Center & Procedure>

B. Test Procedure

The screenshot shows the Blu-ray Disc Association License Office website. The navigation menu includes: HOME, DO YOU NEED A LICENSE?, LICENSE APPLICATION, LICENSEE LIST, FORMAT SPECIFICATION, CONTENT PROTECTION, and LICENSEE ONLY. A dropdown menu is open under 'FORMAT SPECIFICATION', listing: RE1, RE2, RE3, RE4 (BDXL™), R1, R2, R3(BDXL™), ROM2, ROM3, HYBRID, AVCREC, and TESTING INFORMATION. A red arrow points to 'TESTING INFORMATION'.

The screenshot shows the 'BD Products Testing Information' page. The page title is 'BD Products Testing Information'. The main heading is 'Testing'. The text states: 'To put Blu-ray Disc products on the market, testing at whichever following Testing Center in advance is obligatory. Also each company is ought to evaluate the items written in Test Specifications(*), then submit the result sheet to Testing Center you have selected. FLLA Licensee can download Test Specification from the Licensee Only Pages (ID and Password are required). For further information related to Testing, please refer to VERIFICATION in " Blu-ray Disc Format and Logo License Agreement ".'

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Please refer to the following list of official testing centers.
Updated January 6, 2014
[Testing Center Information](#) 

2) Testing Center for BD-RE Version 1
BD-RE v1 products can be tested only at these two testing centers listed below.

1. Under “Format Specification” , select “Testing Information”

2. See under “Testing Center Information”