

Outline of the Act for Partially Amending the Act on Facilitation of Information Processing and the Act on Special Accounts

Background and Summary of the Act

- ✓ Since the **rapid expansion of the use of generative AI** has led to a **significant increase in the amount of computation required of computers**, it is necessary to secure advanced semiconductors and **install enough servers, etc. to fully meet the computational demands** of generative AI, to further promote information processing in the future.
- ✓ In addition, to **capture the growing demand for semiconductors and AI, and to strengthen the international competitiveness of respective industries**, it is necessary to **increase the predictability for private sector businesses of public support for the semiconductor and AI sectors and to stimulate large-scale public and private investment**.
- ✓ Based on this background, to **arrange the environment for promoting the advancement of information processing, measures concerning (1) support for businesses' efforts necessary for the stable production of designated semiconductors for high-speed information processing*1, (2) support of introduction of equipment with advanced information processing capabilities*2, (3) development of digital human resources, (4) additional services of the Information-technology Promotion Agency, Japan (IPA) related to the measures in (1) through (3), and (5) measures concerning the issuance and redemption of new government bonds*3 to secure the financial resources necessary for initiatives involving semiconductors and AI** are provided for in **the Act on Facilitation of Information Processing, and measures concerning the establishment of new accounts, etc. to clarify the accounting related to (5)** are provided for in **the Act on Special Accounts**.

*1 Semiconductors that are capable of processing extremely large amounts of information at extremely high speeds, whose production and supply are not stable in Japan but are particularly indispensable for the advancement of information processing

*2 Introduction of large-scale servers and cooling equipment, etc.

*3 Bridging bonds to secure the necessary financial resources to pay for measures, etc. to improve the performance of semiconductors, etc.

Support for designated semiconductors for high-speed information processing [Act on Facilitation of Information Processing]

- (1) **Subjects to support (selected through public solicitation)**
 - **A business which may most appropriately implement efforts necessary for the stable production of designated semiconductors for high-speed information processing**, designated by the Minister of Economy, Trade and Industry
- (2) **Additional services for IPA**
 - **Contribution of funds or in-kind contribution of facilities or equipment necessary for the efforts*, and guarantee of bonds or borrowings related to the funds, etc.**

*Establishment of production facilities, development of demand, etc.

Support for facilities with advanced information processing capabilities [Act on Facilitation of Information Processing]

- (1) **Subjects to support**
 - **a business engaging in the information processing services that intends to introduce equipment with advanced information processing capabilities**
- (2) **Additional services for IPA**
 - **Guarantee of bonds or borrowings related to the funds necessary to introduce equipment with advanced information processing capabilities**

Development of digital human resources [Act on Facilitation of Information Processing]

○ Additional services for IPA

- Developing digital human resources and services for improving qualities in those resources are added.

Securing necessary financial resources [Act on Facilitation of Information Processing and Act on Special Accounts]

- As "**AI and Semiconductor Industry Foundation Strengthening Framework**", over 10 trillion yen of public support in total **for the semiconductor and AI sectors** by **fiscal year 2030 (subsidies, outsourcing, etc. of approximately 6 trillion yen, and financial support of more than 4 trillion yen)** is scheduled, and since it is expected that this support will require a large amount of funds all at once, **public bonds financed by the Special Account for Energy Measures may be issued**.
- (1) **That funds may be transferred from the investment account of the Special Account for the Fiscal Investment and Loan Program to a new account**, to secure the financial resources needed for the redemption of the government bonds and the costs of semiconductor and AI measures,
- (2) **that funds may be transferred from the energy supply and demand account of the Energy Measures Special Account to a new account** to cover the costs of semiconductor and AI measures, and
- (3) **that funds may be transferred from the general account (money returned to the national treasury from the funds under the jurisdiction of METI) to a new account** to cover the costs of semiconductor and AI measures, are prescribed.
- To clarify accounting related to the above, **new accounts and measures in the Special Account for Energy Measures are established and revenue and expenditure items, etc. are prescribed**.

情報処理の促進に関する法律及び特別会計に関する法律の一部を改正する法律の概要

背景・法律の概要

- ✓ **生成AIの利活用の急速な拡大**に伴い、**電子計算機に求められる計算量は大幅に増加**していることから、今後情報処理の更なる促進を図るためには、**先端的な半導体の確保、生成AIの計算需要を十分に満たせるだけのサーバーの導入等**を併せて進める必要がある。
- ✓ また、**半導体・AIの成長需要を取り込み、各産業の国際競争力の強化につなげていく**ため、**半導体・AI分野の公的支援**に係る**民間事業者の予見可能性を高め大規模な官民投資を誘発**していく必要がある。
- ✓ こうした背景を踏まえ、**情報処理の高度化を推進するための環境の整備を図る**ため、
 - (1) 指定高速情報処理用半導体※¹の生産を安定的に行うために必要な取組の支援、**
 - (2) 高度な情報処理の性能を有する設備の導入※²の支援、**
 - (3) デジタル人材の育成、**
 - (4) (1)～(3)の措置に係る独立行政法人情報処理推進機構（IPA）の業務の追加、**
 - (5) 半導体・AI施策に係る必要な財源を確保するための新たな公債※³の発行・償還等****に関する措置を情報処理の促進に関する法律（情促法）において定め、(5)に係る経理を明確にするための新たな勘定の創設等の措置について特別会計に関する法律（特会法）において定める。**

※¹ 我が国において生産及び供給が安定的に行われていない、極めて大量の情報を極めて高速度で処理することを可能とする半導体であって、情報処理の高度化のために特に必要なもの

※² 大規模なサーバーや冷却設備等の導入

※³ 半導体の性能の向上等の措置等に充てるために必要な財源を確保するためのつなぎ国債

指定高速情報処理用半導体に関する支援 【情促法】

① 支援対象（公募により選定）

- ・ 経済産業大臣が指定した**指定高速情報処理用半導体の生産を安定的に行うために必要な取組を最も適切に実施することができる者**

② IPAへの追加業務

- ・ 当該取組※に必要な**資金の出資若しくは施設・設備の現物出資、当該資金に係る社債又は借入れに係る債務の保証等**

※ 生産施設の設置、需要の開拓等

高度な情報処理の性能を有する設備 に関する支援【情促法】

① 支援対象

- ・ **高度な情報処理の性能を有する設備の導入**を行おうとする**情報処理サービス業を営む会社**

② IPAへの追加業務

- ・ **高度な情報処理の性能を有する設備の導入**に必要な資金に係る**社債又は借入れに係る債務の保証**

デジタル人材の育成 【情促法】

○ IPAへの追加業務

- ・ デジタル人材の養成や、その資質の向上に係る業務を追加する。

必要な財源の確保【情促法・特会法】

- ・ **「AI・半導体産業基盤強化フレーム」**として、**2030年度までに合計10兆円以上の半導体・AI分野への公的支援（補助・委託等：6兆円程度、金融支援：4兆円以上）**を行うところ、こうした支援には一度に多額の資金が必要と想定されることから、**エネルギー対策特別会計**の負担において、**公債を発行**できることとする。
- ・ ①新たな公債の償還及び半導体・AI施策に要する費用の財源に充てるため、**財政投融资特別会計の投資勘定から新たな勘定へ繰り入れることができる旨、**
②半導体・AI施策に要する費用の財源に充てるため、**エネルギー対策特別会計のエネルギー需給勘定から新たな勘定へ繰り入れることができる旨及び**
③半導体・AI施策に要する費用の財源に充てるため、**一般会計（経済産業省が所管する基金からの国庫返納金）から新たな勘定へ繰り入れることができる旨**を規定する。
- ・ 上記に係る経理を明確にするため、**エネルギー対策特別会計に新たな勘定及び対策を設置し、歳入歳出項目等を規定**する。