Taxation of Binary Options in the United States and United Kingdom: A Comparative Analysis

1. Introduction: The Complex World of Binary Options Taxation

Binary options represent a distinct category of financial products, fundamentally characterized by their reliance on a simple "yes or no" proposition concerning the future price movement of an underlying asset or the occurrence of a specific event.¹ These instruments promise a fixed, predetermined payout if the proposition proves correct ("in the money") at expiration, or result in the complete loss of the amount invested if the proposition proves incorrect ("out of the money").¹ This "all-or-nothing" structure contributes significantly to their high-risk profile, often positioning them closer to speculation or wagering than traditional investment.¹

Navigating the tax implications of binary options trading presents considerable challenges. Unlike more established financial instruments such as stocks, bonds, or regulated futures contracts, binary options often lack explicit mention within the tax codes of major jurisdictions like the United States (US) and the United Kingdom (UK). Consequently, their tax treatment must typically be inferred by applying general principles governing financial derivatives, capital assets, or potentially even gambling activities. This inherent ambiguity leads to significant uncertainty for traders and necessitates careful consideration of the specific facts and circumstances surrounding the trading activity, as well as jurisdictional differences in tax law.⁷

The complexity is further compounded by the regulatory environment surrounding binary options. Financial regulators worldwide, including the U.S. Commodity Futures Trading Commission (CFTC) and the Financial Industry Regulatory Authority (FINRA), have issued numerous warnings regarding fraudulent schemes associated with binary options platforms.¹ These schemes reportedly involve practices such as refusing to credit customer accounts, denying fund reimbursements, identity theft, and manipulating trading software to generate losses.³ The prevalence of such fraud, estimated by the U.S. FBI to result in annual losses of \$10 billion globally ⁴, has led to outright bans or severe restrictions on the offering of binary options to retail clients in major markets, including the European Union, the UK, and Australia.¹ Much of the trading occurs via internet-based platforms operating outside of robust regulatory oversight, often domiciled offshore.² Understanding the tax obligations associated with binary options is therefore not merely a matter of compliance; it is intrinsically linked to navigating a high-risk market landscape where transparency and legitimacy cannot be assumed.³

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2. Understanding Binary Options: Definition, Mechanics, and Regulatory Context

Definition

A binary option is a type of derivative contract where the financial outcome is entirely dependent on the result of a yes/no proposition at a specified expiration time.³ This proposition typically relates to whether the price of an underlying asset—such as a stock index, currency pair (e.g., EUR/USD), commodity (e.g., gold), or even the occurrence of an economic event—will be above or below a predetermined "strike" price at the moment the option expires.¹

The defining feature is the binary, or "all-or-nothing," payout structure.³ If the trader correctly predicts the outcome (e.g., predicts the price will be above the strike price, and it is), the option expires "in the money," and the trader receives a fixed, pre-agreed payout.² On regulated US exchanges like Nadex, this payout is typically structured so the option settles at \$100 per contract.¹ Offshore brokers often structure payouts as a fixed percentage return on the amount invested.² Conversely, if the trader's prediction is incorrect, the option expires "out of the money," and the trader loses their entire initial investment—the premium paid to acquire the option.¹ Some variations might offer a small refund (e.g., 5%) on out-of-the-money options, but losing the full investment is the typical outcome.³ These instruments are also known by other names, including "digital options" (common in forex markets), "fixed-return options" (FROS), or "all-or-nothing options".⁴

Mechanics

Trading binary options involves speculating on short-term market movements. For example, a trader might consider a binary option asking: "Will the price of Gold be above \$1,830 at 1:30 p.m. today?".¹ If the trader believes yes, they buy the option; if they believe no (gold will be at or below \$1,830), they sell the option.¹

Like other financial markets, binary options have bid and ask prices, which represent the prices at which traders can sell or buy the option, respectively.¹ These prices fluctuate between \$0 and \$100 (in the US exchange model) based on the market's collective assessment of the probability of the event occurring, as well as factors like time remaining until expiration and volatility in the underlying asset.¹ Higher volatility often leads to wider spreads between the bid and ask prices.¹ The difference between the bid and ask price is the "spread," which reflects market liquidity.¹ A key characteristic is the typically short duration of these contracts. Expiration times can range from days or hours down to just minutes.⁶ Upon expiration, the option automatically exercises; the gain or loss is credited or debited to the trader's account without further action required.² While some platforms might permit traders to close a position before the official expiration time to lock in a smaller profit or reduce a loss, this usually comes at the cost of a reduced payout compared to holding until expiration.²

Distinction from Traditional (Vanilla) Options

It is crucial to distinguish binary options from traditional options (often called "vanilla" options). The most significant difference lies in ownership potential and payout structure. Traditional options contracts (calls and puts) grant the buyer the *right*, but not the obligation, to buy or sell the underlying asset (like 100 shares of stock) at a specified strike price before or at expiration.¹² Binary options, conversely, do *not* confer any right to buy or sell the underlying asset; they are purely a cash-settled wager on a price proposition.²

Furthermore, while the risk for a buyer of a traditional option is limited to the premium paid, the potential profit is theoretically unlimited (for calls) or substantial (for puts) as it depends on how far the underlying asset's price moves beyond the strike price.¹² Binary options offer a fixed, capped potential profit, and the risk is also fixed—the amount invested in the option.¹

The following table summarizes key differences:

Table 1: Binary Options vs. Traditional Options

Feature	Binary Options	Traditional (Vanilla) Options
Ownership Potential	No right to own or trade the underlying asset ²	Offers potential ownership or right to buy/sell the underlying asset ²
Risk/Payout	Fixed maximum payout; risk limited to investment amount (all-or-nothing) ¹	Fixed risk (premium paid); profit varies with underlying asset's price movement ²
Regulation	Often trade on unregulated offshore platforms; high fraud	Typically trade on regulated exchanges (e.g., US

	risk ²	exchanges) ²
Underlying	Price levels, event outcomes (indices, FX, commodities, events) ¹	Primarily assets like stocks, ETFs, futures, currencies ¹²
Expiration/Exercise	Automatic cash settlement at expiration ²	Holder decides whether to exercise the right before/at expiration ¹²

These structural differences—particularly the lack of ownership potential and the fixed all-or-nothing payout—are fundamental. They disconnect binary options from the concept of appreciating asset value that underpins much of traditional capital gains taxation, pushing tax authorities to consider alternative classifications.

Regulatory Concerns and Market Landscape

The binary options market is fraught with regulatory issues. Authorities like the CFTC have received numerous complaints about fraudulent practices by internet-based trading platforms.³ These platforms are often not registered or subject to oversight by US regulators.³ FINRA explicitly warns that many online binary options sites are fraudulent and advises sticking with US-regulated exchanges where possible.¹ The prevalence of scams, including denial of funds and software manipulation, has led to widespread bans and restrictions across Europe, the UK, and Australia.¹ While a couple of regulated exchanges exist in the US (historically Nadex and CBOE offered some forms) ¹, the vast majority of binary options trading occurs through offshore, unregulated entities.²

This challenging regulatory landscape has direct tax implications. The widespread fraud and lack of oversight on many platforms mean traders may struggle to obtain reliable, accurate documentation (like trade confirmations or annual statements) necessary for tax reporting.¹ This places a significant burden on the taxpayer to meticulously track and substantiate all trading activity, increasing the risk of errors and potential issues during tax audits. Trading on the few regulated exchanges generally provides clearer reporting (e.g., Form 1099-B in the US), simplifying compliance compared to the complexities of documenting trades on opaque offshore platforms.¹

Nature: Investment, Speculation, or Gambling?

Binary options are frequently characterized as a form of online gambling or high-risk

speculation rather than conventional investment.⁴ Several factors contribute to this perception: the inherent negative expected return for the trader (brokers structure payouts such that, on average, traders are expected to lose money over time) ³, the extremely short-term nature of the contracts ⁶, and marketing tactics that often downplay risks and appeal to individuals seeking quick profits with limited market knowledge.²

The structure itself reinforces this view. The fixed, all-or-nothing payout is divorced from the gradual accrual of value typically associated with owning an investment asset.¹ The outcome resembles a wager on a specific event rather than participation in the underlying asset's performance. This alignment with gambling characteristics is significant for tax purposes, particularly in jurisdictions like the UK where gambling winnings may be treated differently from investment income.⁴

3. General Tax Principles for Financial Instruments and Derivatives

Understanding how binary options might be taxed requires familiarity with broader tax principles applied to financial activities. A primary distinction exists between capital gains and ordinary income.

Capital Gains vs. Ordinary/Trading Income

In the US, capital gains arise from the sale or exchange of capital assets, which include items like stocks, bonds, real estate, and collectibles.¹³ Gains are classified based on the holding period:

- Short-Term Capital Gains (STCG): Result from assets held for one year or less. These gains are taxed at the taxpayer's ordinary income tax rates.⁷
- Long-Term Capital Gains (LTCG): Result from assets held for more than one year. These gains are typically taxed at preferential rates (0%, 15%, or 20% in the US, depending on taxable income).⁷

Ordinary income includes wages, salaries, interest, and income derived from operating a trade or business.¹³ Losses from capital assets generally offset capital gains, with limitations on deducting net capital losses against ordinary income.¹⁴

In the UK, the framework is different but involves similar concepts. Profits from financial activities can be classified as:

• **Trading Profits:** Income earned from activities constituting a formal trade or business. Taxed as income, potentially subject to National Insurance

Contributions (NICs).⁹

- **Capital Gains:** Arising from the disposal of assets subject to Capital Gains Tax (CGT) rules.⁸ Specific rules apply to certain derivatives like financial futures and options.⁸
- **Miscellaneous Income:** A category under Income Tax (ITTOIA05) that can capture profits not falling elsewhere.⁸
- Gambling Winnings: Generally tax-free in the UK.

The classification of derivative transactions often depends on the nature of the instrument, the purpose of the transaction (e.g., speculation versus hedging risk associated with a business), and the taxpayer's overall activities.⁷

A critical point in both jurisdictions is that tax authorities generally view speculative trading in derivatives by individuals as *not* rising to the level of a formal "trade" or business.⁹ This determination is based on factors often referred to as "badges of trade".¹⁶ Consequently, most individuals engaging in speculative derivative trading, including binary options, are unlikely to have their activities taxed as business income. This typically precludes them from deducting expenses in the same manner as a business and subjects their gains and losses to the rules governing capital assets or other specific income categories.⁹

Specific Derivative Tax Regimes (Examples)

Tax codes often contain specific rules for certain types of derivatives:

- US Section 1256 Contracts: This section of the Internal Revenue Code provides potentially favorable tax treatment for specific, regulated contracts, including futures traded on US exchanges, certain foreign currency contracts, and specific options (nonequity options, dealer equity options).⁷ Gains and losses on these contracts are treated as 60% long-term and 40% short-term capital gains, regardless of the actual holding period. This results in a lower blended maximum tax rate compared to pure short-term gains.⁷ These contracts are also "marked-to-market" annually, meaning unrealized gains and losses are recognized for tax purposes at year-end, and they are exempt from the wash sale rules.⁷ Special rules also apply for carrying back losses.⁷
- UK Derivative Contract Rules: The UK has specific legislation (e.g., CTAO9/Part 7 for companies, TCGA92/S143 for individuals' capital gains on certain futures/options) governing derivative contracts.⁸ Treatment depends on whether the contract is used for trading purposes, hedging, or falls under capital gains or miscellaneous income provisions.⁸ Special "disregard regulations" exist to align tax treatment with accounting for hedging relationships.¹⁷

These specific regimes highlight that tax law often differentiates between various types of derivatives. The unique characteristics of binary options mean they may not fit neatly into these existing categories.

4. Taxation of Binary Options in the United States (IRS)

The Internal Revenue Service (IRS) has not issued explicit, comprehensive guidance specifically addressing the tax treatment of binary options. Therefore, their taxation must be determined by applying existing principles for property transactions and financial instruments. While cryptocurrencies, another novel asset class, have been characterized by the IRS as property (not currency) ¹⁸, the specific classification of binary options remains less defined.

Likely Treatment: Short-Term Capital Gains/Losses

Given their nature, binary options are highly unlikely to qualify for the preferential tax treatment afforded to Section 1256 contracts.⁷ The definition of Section 1256 contracts is specific and generally requires trading on regulated US exchanges and adherence to certain contract types (futures, certain forex contracts, specific options).⁷ Most binary options, particularly those traded on unregulated offshore platforms, do not meet these criteria.¹ Even those traded on US-regulated platforms may not fit the precise definitions due to their unique all-or-nothing payout structure.¹

Consequently, the default and most probable treatment for gains and losses from binary options trading for US taxpayers is under the general rules for capital assets.⁷ Each binary option contract can be viewed as a capital asset. When the option expires or is closed, a capital gain or loss is realized, calculated as the difference between the proceeds received (the \$100 payout for in-the-money options, or \$0 for out-of-the-money options in the US exchange model) and the cost basis (the premium paid for the option).¹⁴

A crucial factor is the holding period. Long-term capital gains treatment requires holding an asset for more than one year.¹³ Binary options, by design, have extremely short expiration periods, typically ranging from minutes to days, and rarely extending beyond a few weeks or months.⁶ Therefore, any capital gain realized from binary options trading will almost inevitably be a **short-term capital gain**. Short-term capital gains do not benefit from preferential tax rates; they are taxed as ordinary income at the taxpayer's marginal tax rate, which ranges from 10% to 37% for the 2024 tax year, depending on the individual's overall taxable income.⁷ The potential for lower long-term capital gains rates (0%, 15%, 20%) is practically irrelevant for binary

options traders.¹³

Reporting

Taxpayers must report their binary options transactions meticulously. Gains and losses are reported on **Form 8949 (Sales and Other Dispositions of Capital Assets)**. This form requires details for each transaction, including description of the property (e.g., "Binary Option XYZ > 100 Exp 1/15"), date acquired, date sold/expired, proceeds, cost basis, and the resulting gain or loss.¹⁴ The totals from Form 8949 are then summarized on **Schedule D (Capital Gains and Losses)**, which is filed with the taxpayer's Form 1040 (US Individual Income Tax Return).¹⁴

Traders using regulated US exchanges might receive a Form 1099-B summarizing their transactions, which aids in reporting. However, those using unregulated offshore platforms will likely not receive any such form.² This significantly increases the personal record-keeping burden, requiring the trader to diligently track every single trade detail throughout the year to ensure accurate reporting.¹⁴ Failure to maintain adequate records can lead to reporting errors and potential penalties.

Loss Limitations

The treatment of losses is a critical consideration. Capital losses can be used to offset capital gains realized during the year.¹⁴ If a taxpayer has more capital losses than capital gains (a net capital loss), the amount of that loss that can be deducted against other forms of income (such as wages or salary) is strictly limited. For individuals, this limit is **\$3,000 per year** (or \$1,500 if married filing separately).¹⁴

Given the high-risk, all-or-nothing nature of binary options, traders can easily incur substantial net losses.¹ The \$3,000 annual deduction limit against ordinary income means that significant trading losses may provide very little immediate tax relief.¹⁴ Any net capital loss exceeding the \$3,000 limit is not permanently lost; it can be carried forward to future tax years to offset future capital gains or be deducted against ordinary income subject to the same annual limit.¹⁴ However, fully utilizing large carried-forward losses can take many years if sufficient future capital gains are not generated.

Wash Sale and Straddle Rules

Complex tax rules, such as the wash sale rule and straddle rules, are designed to prevent taxpayers from generating artificial tax losses.⁷ The wash sale rule disallows a loss deduction if substantially identical property is acquired within 30 days before or after the sale generating the loss. Straddle rules limit loss recognition when a taxpayer

holds offsetting positions in actively traded personal property.⁷ While the straightforward expiration of a binary option might not typically trigger these rules, engaging in more complex strategies, or rapidly closing and reopening similar binary option positions, could potentially implicate them.⁷ Due to their complexity, taxpayers engaging in such strategies should seek professional tax advice.

5. Taxation of Binary Options in the United Kingdom (HMRC)

The tax treatment of binary options in the UK is arguably more uncertain than in the US, as HM Revenue & Customs (HMRC) guidance does not specifically single out binary options in the provided materials. Treatment depends heavily on the specific facts and how the activity is characterized under UK tax law, potentially falling into several categories.

Financial Trading vs. Investment/Speculation

As in the US, HMRC distinguishes between activities that constitute a "trade" and those that are investment or speculation.⁹ For an individual's activities to be considered a trade, various factors ("badges of trade") are assessed, such as frequency, motive, and organisation.¹⁶ HMRC generally takes the view that speculative activities in derivatives by individuals do not meet the criteria for being a trade.⁹ If the activity were deemed a trade, profits would be subject to Income Tax and possibly Class 4 National Insurance Contributions (NICs), and trading losses could potentially be offset against other income.¹⁶ However, this classification is unlikely for the typical individual trading binary options for speculative purposes.

Potential Treatment as Gambling (Spread Betting Analogy)

A significant possibility in the UK, distinct from the US, is that binary options trading could be classified as gambling. In the UK, winnings from gambling activities, including financial spread betting, are generally tax-free.⁴ Losses from gambling are correspondingly non-deductible. Binary options share many characteristics with spread bets: they are short-term wagers on price movements without involving ownership of the underlying asset, often settled in cash, and carry high risk.⁴ If HMRC views a particular binary options activity as analogous to spread betting or otherwise falling under the definition of gambling, any profits would not be subject to Income Tax or Capital Gains Tax. This potential for tax-free treatment represents a major divergence from the likely US taxation. However, this classification is not guaranteed and depends on HMRC's interpretation of the specific product and trading pattern.

Capital Gains Tax (CGT)

If the activity is not considered gambling or trading, it may fall under the scope of Capital Gains Tax (CGT). UK tax law specifically brings certain derivative transactions, such as financial futures and traded options entered into by individuals not as part of a trade, within the CGT regime (under TCGA92/S143).⁸ If binary options were classified under CGT, gains exceeding the annual exempt amount would be taxed at CGT rates (which differ for basic and higher/additional rate taxpayers). Capital losses could be used to offset other capital gains realized in the same or future tax years.⁸

Miscellaneous Income

As a further possibility, if the profits do not fall under trading income or CGT, they could potentially be assessed as miscellaneous income under the Income Tax (Trading and Other Income) Act 2005 (ITTOIA05).⁸ This category often serves as a catch-all for income not taxed elsewhere. Profits taxed as miscellaneous income would be subject to Income Tax at the individual's marginal rate.

Guaranteed Returns Exception

UK tax law includes provisions (ITTOIA05 Chapter 12) to tax certain derivative contracts designed to produce a "guaranteed return" economically equivalent to interest as savings income.⁸ This is intended to prevent the conversion of taxable interest income into potentially lower-taxed capital gains. However, standard speculative binary options with their inherent uncertainty and all-or-nothing outcomes are unlikely to meet the definition of providing a guaranteed return.⁸

Reporting and Record Keeping

Regardless of the classification, accurate record-keeping is paramount.¹⁶ If profits are taxable (under CGT or as miscellaneous income), they must be reported on the annual Self Assessment tax return. If treated as gambling winnings, they generally do not need to be reported. Given the uncertainty, maintaining detailed records of all transactions (dates, amounts, outcomes, platforms) is essential to justify the tax position taken.¹⁶

The UK tax situation for binary options is thus marked by greater ambiguity compared to the US. The potential classification as tax-free gambling offers a significant possible advantage, but this is not assured. If not deemed gambling, the distinction between CGT and miscellaneous income treatment adds another layer of complexity.⁸ The highly speculative nature ⁴ and the structure involving cash settlement without actual delivery of any underlying asset ² are key factors HMRC would likely consider, potentially pushing the classification towards gambling or specific derivative rules

rather than standard investment treatment.

6. Key Considerations and Best Practices for Traders

Regardless of jurisdiction, traders engaging with binary options should be aware of several critical factors impacting their tax situation and overall risk exposure:

- Platform Choice Impact: While the fundamental tax rules apply regardless of the trading platform, the choice of platform significantly impacts compliance ease and risk. Using one of the few regulated exchanges (where available and legitimate) generally results in better documentation (e.g., potential for 1099-B in the US) and transparency.¹ Conversely, trading on unregulated, often offshore, platforms places the entire burden of meticulous record-keeping and substantiation on the taxpayer, increasing the risk of errors and non-compliance.² Crucially, traders must remain vigilant about the high risk of fraud associated with many unregulated platforms.¹
- **Meticulous Record Keeping:** This cannot be overstressed. Traders must maintain detailed, contemporaneous records of every single transaction.¹⁴ Essential details include:
 - Date and time the position was opened.
 - Date and time the position was closed or expired.
 - Specific underlying asset and proposition (e.g., Gold > \$1830).
 - Strike price.
 - Expiration date and time.
 - Amount invested (cost basis/premium paid).
 - Payout received (proceeds) or confirmation of total loss.
 - Name of the trading platform/broker.
 - Any commissions or fees paid.¹⁶ Accurate records are indispensable for calculating gains/losses correctly and defending the tax position if questioned by authorities, especially when dealing with platforms that provide minimal or no tax reporting documentation.
- Understanding Loss Limitations: Traders must be acutely aware of how losses are treated for tax purposes. In the US, the \$3,000 annual limit on deducting net capital losses against ordinary income is a significant constraint, particularly given the potential for large losses in binary options trading.¹⁴ In the UK, if classified as gambling, losses are entirely non-deductible. If subject to CGT or other rules, specific loss offset provisions apply. Understanding these limitations is crucial for managing tax expectations.
- **Beware of "Tax Advice" from Platforms:** Unregulated binary options platforms may provide inaccurate or misleading information regarding tax obligations,

potentially downplaying liabilities to attract customers. Traders should never rely on such sources for tax guidance.

• The Critical Need for Professional Tax Advice: Given the lack of explicit statutory guidance for binary options, the complexity inherent in taxing derivatives, the significant differences between US and UK treatment, the high financial and regulatory risks involved, and the potential for substantial gains or losses, seeking advice from a qualified tax professional is strongly recommended. This is advisable *before* engaging in significant trading and certainly for accurate tax return preparation. A professional experienced with financial instruments, and potentially international tax issues if using offshore platforms, can provide personalized guidance based on the trader's specific circumstances.

7. Conclusion: Navigating the Tax Maze

The taxation of binary options in both the United States and the United Kingdom is characterized by complexity and a lack of specific, definitive legislative guidance. Their unique all-or-nothing structure and the often-unregulated environment in which they are traded create significant challenges for tax compliance and interpretation.

In the US, the most probable tax treatment classifies gains and losses from binary options as short-term capital gains and losses. Due to the inherently short holding periods, gains are taxed at the trader's ordinary income tax rates, and the ability to deduct net losses against other income is severely restricted to \$3,000 per year.⁷ Favorable regimes like Section 1256 are unlikely to apply.⁷

In the UK, the situation is more ambiguous, with several potential classifications: tax-free gambling winnings (if analogous to spread betting), taxable capital gains under CGT rules, or miscellaneous income subject to Income Tax.⁸ Classification as trading income is unlikely for most individuals. The potential for tax-free treatment under gambling rules presents a notable contrast to the US approach, but this outcome is uncertain and depends heavily on HMRC's interpretation of the specific activity.

Beyond the tax complexities, traders must contend with the substantial financial risks inherent in binary options themselves ¹, further amplified by the pervasive risk of fraud on unregulated platforms.³ The combination of high financial risk, regulatory hazards, and uncertain or potentially unfavorable tax treatment (particularly regarding loss limitations in the US) underscores the precarious nature of this activity.

The following table provides a high-level summary of the likely tax treatment:

Table 2: Summary of Likely Tax Treatment (US vs. UK)

Feature	US (IRS)	UK (HMRC)
Likely Classification	Capital Asset Transaction ¹⁴	Uncertain: Potentially Gambling, Capital Gains (TCGA92), or Miscellaneous Income (ITTOIA05) ⁸
Primary Tax Rule	Short-Term Capital Gains/Losses ⁷	Varies: Potentially Tax-Free (Gambling), CGT Rates, or Income Tax Rates (Misc. Income) ⁸
Gain Treatment	Taxed at Ordinary Income Rates (10%-37%) ¹³	Potentially Tax-Free, or Taxed at CGT / Income Tax Rates ⁸
Loss Treatment	Offsets Capital Gains; Max \$3k/year vs Ordinary Income; Carryforward ¹⁴	Non-deductible (Gambling); Offsets Capital Gains (CGT); Specific rules apply ⁸
Key Form/Reporting	Form 8949 / Schedule D (Form 1040) ¹⁴	Self Assessment Tax Return (if taxable) ¹⁶
Section 1256 Applicability	Highly Unlikely ⁷	Not Applicable

Ultimately, any individual considering or currently trading binary options must prioritize meticulous record-keeping ¹⁶ and seek personalized, professional advice from a qualified tax advisor familiar with financial derivatives in their respective jurisdiction. This is the only reliable way to navigate the significant tax uncertainties and ensure compliance with applicable laws.

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